CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, September 16, 1909.

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CONSTRUCTION NEWS.

Plans and Specifications on File.

(* *denotes that this work is advertised in Engineering News.*)

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at office of The Engineering News Publishing Co., 220 Broadway, New York.

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List of Contracts Pending.

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RAILWAYS.

(* *denotes that this work is advertised in Engineering News.*)

ARIZONA & CALIFORNIA.—A contract has been awarded for grading this line from Parker, on the Colorado River, to a connection with the Santa Fe at Bengal, Cal. Over 100 miles of this line, including a modern steel bridge over the Colorado River, was completed two years ago. The gap is 95 miles, and when completed will give another through line from Phoenix, Ariz., to Los Angeles. The contract calls for completion by May 15, 1910.

BARTLETT & FLORENCE.—This company proposes to build a line 23 miles long from Bartlett to Florence, Tex., and contract has been let to the JOSEPH BOWERS CONSTRUCTION CO., to begin work immediately. W. J. McDaniel is Vice-Pres., Gen. Mgr. and Ch. Engr.; G. W. Hubbard is Pres.; both at Bartlett, Tex.

CANADIAN NORTHERN.—It has been decided to build the Ottawa-Toronto line on the high country north and east of Toronto, touching Orono and Hampton, as against the low country in which the towns of Oshawa and Bowmanville are located. Bids will be called for at once for the first 130 miles of the line, and D. D. Mann, Vice-Pres., has stated that this division is to be constructed within a year. Work on the other sections will be rushed, and connections with Ottawa, Montreal and Quebec city will be established as rapidly as the steel can be laid down. The route designated by Mr. Mann would mean that the line would leave the present Canadian Northern Ontario line to Sudbury at a point near Duncan, a few miles north of the city, thence proceeding in a northeasterly direction over the high lands, through Orono, Hampton and other places, and cutting down to Lake Ontario near Port Hope, and on to Cobourg. The road will cross the Grand Trunk main line at Brighton, and will run to the south of that road to Trenton and Belleville. From there it will cut northeasterly again to Ottawa. From Toronto to Cobourg it will run between the G. T. R. and C. P. R. lines. The building of this Toronto-Ottawa line will entail an expenditure of about $10,000,000 in construction alone. The right-of-way remains practically all to be purchased. M. H. MacLeod, Winnipeg, Man., is Ch. Engr.

CHICAGO, JOLIET & KANSAS CITY.—Active operations on the right-of-way of this railroad are being made in Kendall County. No permanent track laying will be done until next year. The new road will go directly west of Joliet, Ill., passing over Aux Sable Creek without veering. At Annawan, a small town on the Rock Island, it will go toward the south to Keithsburg on the Mississippi River. Branch lines will be run to the south and as far north as Rockford, thus intersecting many of the western railroads and at the same time opening up considerable new territory. The Illinois division of the road will be finished before the far western part is started.

GRAND TRUNK PACIFIC.—C. M. Hays, Gen. Mgr., Montreal, Que., has announced that the company intends to build a direct line from Vancouver, B. C., to Dawson City, via Prince Rupert, at an early date.

GREAT NORTHERN.—Bids are asked for revision work on the present line and putting in second track over the Rocky Mountains on the section from Summit, Mont., west to Java, 14 miles. A. H. Hogeland, St. Paul, Minn., is Ch. Engr.

GULF, COLORADO & SANTA FE.—A line is to be built from the San Angelo branch, between Lampasas, Tex., and Brownwood, west to the western boundary of San Saba County, 50 miles. Location surveys are being made for an extension from San Angelo, Tex., northwest to Sterling City, about 40 miles. F. G. Pettibone, Galveston, Tex., is Gen. Mgr.; C. F. W. Felt, Galveston, is Ch. Engr.

MOUNTAIN, VALLEY & PLAINS.—The New York "Commercial" states that within 30 days grading will begin at Dalhart on the proposed railroad through the Texas Panhandle country, according to Del W. Harrington, Pres. of the company. All profiles, surveys and estimates have been completed and work will be started toward Dalhart from Cimmaron, N. Mex., a town 170 miles northwest. A construction company has been organized to do the building. The company is chartered under the laws of Texas, Oklahoma and New Mexico, and has an executive office in each of these states. At Eagle Nest, near Cimmaron, a dam is under construction by which water will be diverted through canals and lateral ditches and more than 300,000 acres of fruit and farm lands will be irrigated. Irrigation projects are contemplated for other sections along the route in Texas and New Mexico. In Texas the road will traverse Dallam, Hartley, Hansford, Ochiltree and Lipscomb counties, opening up territory hitherto untouched by railroads. In Oklahoma the road will traverse Woodward, Kingfisher, Blaine and Logan counties, opening up a large territory where wheat and alfalfa are prolifically grown. Dalhart is to be a division point and the round-house, shops and general offices for both Oklahoma and Texas will be located at Higgins, Tex., near the border line. The road is to be in operation over the entire route within three years. Under the terms of the contract with Dalhart the bonus of $60,000 that has been subscribed is not to be paid until the road is completed to that city, except that one-fourth is due when the grade is completed. Nearly all the towns along the route have similar contracts, except that Kingfisher, Okla., has agreed to pay $10,000 when the road is completed into Higgins and $10,000 when completed into Kingfisher.

NEW IBERIA, LOREAUVILLE & NORTHWESTERN.—It is stated that this company, promoted by F. M. Welch, of New Orleans, La., which will be 43 miles long, has graded five miles of line, and capital is ready to complete the road, which will extend from New Iberia to Port Barre, La.

PIEDMONT-CAROLINA.—Company proposes to build from Salisbury, N. C., to Concord, 22 miles, with three miles of line in Concord and 5½ miles in Salisbury. The date has not yet been fixed to receive bids, nor has the engineer been appointed. The route is via China Grove, Landis, Kannapolis and Glass. The directors are W. F. Snider, Pres.; T. J. Jerome, Secy.; T. H. Vonderford, Gen. Mgr.; and M. L. Jackson.

PORT O'CONNER, RIO GRANDE & NORTHERN.—See St. Louis, Brownsville & Mexico.

ROCKLAND R. R.—The company, which is to operate a new road in New York and New Jersey, 41 miles of which will lay in Rockland County, has applied to the Public Service Commission, Second District, to issue bonds for $2,767,000. It intends to increase its capital stock from $100,000 to $630,000. Decision was reserved.

ST. LOUIS, BROWNSVILLE & MEXICO.—The contract has been let to the CALHOUN CATTLE CO. for building the Port O'Connor, Rio Grande & Northern line from Bloomington, in Victoria County, to Port O'Connor, a distance of about 40 miles. It is hoped to have the line completed by Dec. 1. The cattle company will furnish the right-of-way, but the road will be operated as a branch of the St. Louis, Brownsville & Mexico Ry. The parties interested in the cattle company are Johnson & Pugh, of Danville, Ill.; T. M. O'Connor and R. P. Austin, of Victoria.

VIRGINIA.—We are officially advised that the contract has been awarded by the Russell Fork Transportation Co., of Honaker, Va., to S. WALTON & CO. for twelve miles of grading to be built in Russell and Buchanan counties, Va. The location has been completed and right-of-way secured. Work will be commenced at once. The road will give outlet to timber and coal lands. W. H. Crockett, Pres.; A. P. Perley, Vice-Pres.; H. A. Phelps, Engr.-in-Charge.

WESTERN ALLEGHENY.—Plans for improvements and extensions of this road running from East New Castle to Kaylor and Dewey, Pa., which will involve the expenditure of about $2,000,000, have practically been completed by the company engineers. It is expected that some of the work will be commenced soon. The improvements will include a new connection with the Buffalo, Rochester & Pittsburg at East New Castle. This is owing to the amount of cement received from the lines of that company to be hauled to points along the line of the Western Allegheny. The erection of new shops at Queen Junction, where the road connects with the Bessemer & Lake Erie, is also planned. The proposed extension will run from Koylor northeast to Reidsburg, a distance of 16 miles, and will necessitate the expenditure of approximately $1,000,000 owing to the number of fills, cuts, tunnels and bridges necessary. A bridge across the Allegheny River at East Brady will connect the road with the Franklin & Clearfield at Reidsburg. The officers of the Western Allegheny are Emmet Queen, Hotel Schenley, Pittsburg, Pres.; Thomas Liggeit, Sewickley, Vice-Pres. and Gen. Mgr.; A. H. Eams, Pittsburg, Secy. and Treas.; and E. D. Comstock, Pittsburg, Gen. Passenger Agent.

ELECTRIC RAILWAYS.

PULASKI, N. Y.—E. D. Bennett, of Pulaski, is interested in the projected electric railway between Sidney and Treadwell, and states that the matter is as yet in a preliminary stage. The line, as projected, will be about 21 miles long. Application was recently made to the Sidney Board of Trustees for an electric railway franchise. Noted on Aug. 26.

CLARION, PA.—The Clarion & East Brady Electric Ry. Co. has been incorporated to build an electric railway from Clarion to East Brady, via Sligo and Rimersburg, a distance of 25 miles. Incorporators: G. E. Arnold, R. M. Werner, T. S. Arnold, I. N. Langham and E. W. Witherell. As noted on April 22, "this road will connect with the Franklin & Clearfield R. R., with direct connections east and west, and will carry both

freight and express. The power-house will be equipped for furnishing light to the different towns through which the road will pass."

BALTIMORE, MD.—The Baltimore & Eastern Ry. Co. proposes building a line between 56 and 60 miles long from Kent County shore to Cambridge Ferry via Chestertown, Centreville and Easton. According to the "Manufacturers' Record," a ferry system across Chesapeake Bay to Bay Shore Park is to be established, where connection will be made with existing line of United Railways & Electric Co. Connection will probably be made with the Pennsylvania R. R. at Easton, Chestertown and Centerville. The incorporators, who will act as directors for the first year, are William H. Fehsenfeld, Charles H. Knapp, David M. Fulton, Arlie F. Saunders, Roberdeau A. McCormick, E. Asbury Davis, Geo. P. Neilson, Ezekiel T. Jones, Clarence W. Perkins and A. H. McDonnald, Secy. Travelers and Merchants' Association, all at Baltimore. Noted on Aug. 26.

ORLANDO, FLA.—The Central Florida Traction Co. contemplates building a railroad from Sanford to Kissimmee via Orlando, 45 miles. M. O. Overstreet is Pres.; Dr. George T. Bennett, Vice-Pres.; L. L. Payne, Secy.; W. A. Smith, Treas., and T. P. Watlen, Attorney.

WINCHESTER, KY.—Beverley R. Jouett, of Winchester, is interested in the proposed electric railway which is to extend from Winchester through Middletown to Sharpsburg, a distance of about 28 miles. The promoters are at work on the right-of-way and bonus, and until these have all been signed up, nothing will be done.

EAST LIVERPOOL, OHIO.—Press reports state that capitalists have agreed to finance the proposed Pittsburg & East Liverpool Ry. between East Liverpool and Pittsburg. Surveys, profiles and estimates submitted to them by Moore Buchanan, of Morgantown, W. Va., and T. H. Reed, of Pittsburg, have met their approval. An engineer sent by them over the proposed route has made a favorable report. Noted on July 22.

VINCENNES, IND.—Surveys are being made, under the direction of Jerome Johnson, for the Vincennes, West Baden & Louisville Traction Co.'s electric railway to be built between Jasper, Petersburg and Vincennes, 48 miles. The Vincennes, West Baden & Louisville Traction Co. has been voted $50,000 in subsidies and has been granted a permit by Congress to build a bridge across the White River, one mile north of Petersburg.

QUINCY, ILL.—The Quincy, Mount Sterling & Northeastern Traction Co. has been incorporated to build an electric railway from Quincy to Liberty, Mount Sterling and Rushville. Capital stock, $5,000. The incorporators are: Henry A. Garner, Henry L. Stern, Henry A. Gardner, Jr.; Abel Davis, Herbert J. Friedman, M. M. Hart, G. H. Bent, F. P. Lasier and Charles T. Farson. Headquarters, Quincy.

MUSCATINE, IOWA.—Charles Howard, Pres. of the North & South R. R. Co., has announced that the line would be extended to Burlington, Iowa, from Elrick Junction during the coming year. The right-of-way has already been secured. The road was lately purchased by a St. Joseph syndicate.

MISSOULA, MONT.—The Missoula Street Ry. Co. has been granted a franchise to build an electric street railway in Missoula. The officers and operating staff of the company have not been selected. The company proposes to begin construction work in about six months. Contracts have not yet been let. Power will be rented from the Missoula Light & Water Co., which is controlled by W. A. Clark, who also owns the Missoula Street Ry. The repair shops will be located in Missoula. Capital stock, authorized and issued, $100,000. Noted on Feb. 4.

ENID, OKLA.—The Enid & Central Oklahoma Traction Co. contemplates starting construction on its proposed railway by Oct. 1. It will extend from Enid to El Rano, 65 miles. The company expects to furnish power for lighting to towns along the route. The officers are: W. S. Whitinghill, Pres.; M. T. McMahon, Vice-Pres.; R. W. Whittinghill, Secy.; C. E. Burkhart, Treas., and the headquarters are in the Chamber of Commerce Bldg., Enid.

WALLA WALLA, WASH.—According to press reports, Gilbert Hunt, of Walla Walla, Pres. of the Washington Traction Co., announces that English bankers in London will back the organization in the construction of an electric railway system in the Walla Walla valley to Kennewick and Pasco, Wash., also that the company has increased its capital stock from $3,500,000 to $5,000,000. The line projected is from Dayton to Pasco by way of Waitsburg, Walla Walla and Wallula. It is expected that construction work will begin on the valley line the latter part of September. The company has arranged contracts with companies operating boats on the Columbia and Snake rivers for the transportation of freight. This company was recently organized in the state of Washington, with $5,000,000 capital, to build 142 miles, for which surveys are finished. The proposed route is from Dayton, Wash., southwest via Waitsburg to Walla Walla, thence west to Wallula, thence northwest to Pasco. Gilbert Hunt is Pres., Walla Walla; W. H. Richardson, Vice-Pres., Dayton; B. C. Holt, Secy.; J. B. Catron, Treas, and J. C. Armstrong, Gen. Mgr., all of Walla Walla.

PORTLAND, ORE.—Tae Inland Oregon Elec. Ry. Co. was incorporated recently to build an electric railway from Condon to Canyon City, passing through Fossil. A spur is to be built from Fossil to the confluence of Trout Creek with the Deschutes River. The line will also run from Cross Keyes to Bend, through O'Neil, and also from O'Neil through Prineville to Howard. The articles of incorporation provide for the construction of telegraph lines and bridges, and to purchase or consolidate with any railroad in Oregon, Washington, Idaho or California. They also provide for the corporation's assistance in the operation of steamship lines in any one or all of the four states named. The corporation may also purchase or lease land in these states. Capital stock, $1,000,000. The incorporators are M. W. Gill, C. D. Charles and H. J. Martin, of Portland.

The Portland, Baker City & Butte Elec. R. R. Co., recently incorporated, has secured terminal facilities and right-of-way for its proposed line, which is to start from Portland, Ore., and extend to Butte, Mont., crossing the Warm Springs Indian Reservation in Central Oregon, through Baker City, Ore. Permission to survey across the Indian reservation has been obtained from the Department of the Interior and the survey will immediately be started. The first section of the road is planned into the John Day Valley from Portland. The construction of the first 30 miles out of Portland will be started soon. L. M. Rice & Co., of Seattle, Wash., are the Engineers. H. C. McAllister, Portland, Ore., is Pres.; J. W. Gilkyson, Vice-Pres.; John Tait, Treas.; J. C. Robinson, Secy.; M. W. Gill, Assistant Secy.; C. D. Charles is Gen. Mgr. (See Inland Oregon Elec. Ry. Co., noted above.) Previously noted.

CONDON, ORE.—The Wasco County Elec. & Power Co. has plans under way for the construction of its proposed railway in the Deschutes and John Day Valleys south from Condon. The officers are as follows: George S. Carpenter, Pres.; H. I. Keeney, First Vice-Pres.; George Ainslie, Second Vice-Pres.; Mark W. Gill, Third Vice-Pres.; F. T. Hurlburt, Treas.; C. W. Lord, Secy.; C. S. Greaves, Assistant Secy.; W. H. Hurlburt, Ch. Engr.; H. C. Smith, Supt., Condon.

SANTA ROSA, CAL.—The right-of-way has been secured for the Sonoma & Lake County R. R. through the Alexander Valley and on the Preston for its proposed electric railway which is to extend from Santa Rosa to Lakeport. J. E. Fulton, of Lakeport, is Gen. Mgr.

SAN BERNARDINO, CAL.—The Northwestern Street Ry. Co. will begin work on this street railway within two months. The line will be about 2¼ miles long and will connect Rialto and San Bernardino. Three cars will be operated at first. Capital stock, authorized, $130,000; issued, $50,000. Bonds have been authorized to the amount of $45,000. Fred Durham, San Bernardino, is Pres.; Morris Katz, San Bernardino, Vice-Pres.; C. W. Durham, Redlands, Col., Secy.; W. S. Boggs, San Bernardino, Treas; E. G. Durham, Redlands, Gen. Mgr.; C. J. Clarke, West Highlands, Supt. Headquarters, Katz Bldg., San Bernardino.

LEWISTON, IDAHO.—The Lewiston Terminal Co., it is stated, will begin construction on its proposed railway in Lewiston as soon as the City Council grants it a franchise. M. A. Means, Pres. and Gen. Mgr.; H. G. Darwin, Vice-Pres.; E. C. Smith, Secy. and Treas.

LONDON, ONT.—We are officially informed that the London & Northwestern Ry. Co. probably will not let construction contracts until next spring. This railway will run from London to Sarnia, via Lobo Junction, with a line from Lobo Junction to Grand Bend and branches, a total of 115 miles. Surveys are partly made and right-of-way and capital for building the railway are secured. D. A. Stewart is Pres., and W. G. Swan is Ch. Engr., 36 Bank of Toronto Chambers, London, Ont. Noted on Aug. 5.

LIGHT AND POWER PLANTS.

MANCHESTER, N. H.—Plans have been completed by the Amoskeag Mfg. Co. for the installation of a large electric power plant to furnish electricity to operate the new Coolidge mill, now under construction. The plant will be equipped with two 3,500-KW. generators and horizontal Curtis turbines. The Coolidge mill will be equipped with 100 25-HP. motors, 14 50-HP. motors, seven 200-HP. motors, two 185-HP. motors, one 850-HP. motor and several elevator motors. The plant will eventually furnish electricity for lamps and motors for the Amory, Jefferson and Langdon mills. The construction of the power house will probably not be completed before February or March.

MONTPELIER, VT.—The Corry-Deavitt-Frost Co. has awarded the contract to D. W. COOLEY, of Waterbury, Conn., for building an additional dam 2,000 ft. above the present plant at Kinney's mills in East Montpelier. Cost, about $35,000. It is to furnish power for running the electric cars between Montpelier and Barre. The company will run a pole line to the Barre quarries to furnish electricity for five years for the Wetmore & Morse quarries at Graniteville. The dam will be 150 ft. long, 12½ ft. high with a fall of 30 ft., and will have a capacity of about 1,000 HP.

PLAINVILLE, MASS.—The installation of an electric light and power system is being considered here. Tungsten lights will be used on the streets and the power to drive the jewelry factories. The current will probably be purchased from the North Attleboro Electric Light plant.

MILFORD, MASS.—The Selectmen have awarded a new contract to the MILFORD ELECTRIC LIGHT & POWER CO. for street lighting for one year. The company is to furnish 42 arc lamps of 1,200 c. p. and 72 tungsten lamps. The tungsten lamps will replace 16 of the arc lamps now in use. Cost of the service will be $5,000 per year.

BOSTON, MASS.—The Edison Electric Illuminating Co. of Boston, on Sept. 1 formally took over the operation of the electric plants of the Waltham Gas & Electric Co., Newton & Watertown Gas & Electric Co., the Boston Consolidated Gas Co., and the Chelsea Gas Co. Owing to the consolidation, the cost of electricity in several suburban places will be reduced 25%. The charge in Allston, Brighton, Brookline, Waltham and Chelsea will hereafter be 12 cts., instead of 16 cts. In Newton and Watertown it has been 12 cts. since Jan 1, when a reduction was made from 18 cts., which was made on the condition of the Gas Commission's approval of taking over the properties of the Newton & Watertown Gas Co. It is understood that the Waltham power-house will be used by the Edison Company, but that the Allston power station, from which Brookline, Allston and Brighton are supplied, will eventually be abandoned, and these sections supplied from the South Boston power-house.

NEW YORK, N. Y.—Bids are asked by the Park Board until 3 p. m., Sept. 30, for all materials and labor required for furnishing and installing electric lighting fixtures in new addition (E) of the Metropolitan Museum of Art, located in Central Park, on the west side of Fifth Ave., opposite 83d St., Boro. Manhattan.

HUDSON, N. Y.—Contract for the new power-house and coal pocket for the women's refuge in Hudson was awarded on Aug. 31 to JOHN DYER, JR., of Albany, N. Y., at $50,200. F. B. Ware is State Arch.

LITTLE FALLS, N. Y.—Plans are being made to develop the water power of East Canada Creek, to furnish power for another large electric plant for the Inghams Mills. Guy R. Beardsley, Pres. East Creek Electric Light & Power Co. is promoter of the project.

SYLVAN BEACH, N. Y.—The citizens have voted in favor of the proposition to install an electric light and power plant here. Edmund Brown is Clk. Bd. Trustees.

CLINTON, N. Y.—Bids will be received until Sept. 21 by the Board of Village Trustees, W. H. Brockway, Clk., for electric current for street lighting purposes sufficient to operate 27 2,000-c. p. arc lights, all-night service, and not to exceed ten 32-c. p. series incandescent lights.

MOHAWK, N. Y.—The committee appointed to investigate the practicability of building an electric light plant for Mohawk has been directed to engage engineers to prepare plans on which bids may be asked to construct the plant. Frank Du Bois is a member of the committee.

NIAGARA FALLS, N. Y.—Bids were received as follows on Sept. 8, by the Board of Water Commissioners, for furnishing and installing about 18,600 ft. of transmission cable in conduits furnished by the city: John A. Roebling's Sons Co., 117 Liberty St., New York, $10,285; Standard Underground Cable Co., 50 Church St., New York, $10,843.

HOLLIDAYSBURG, PA. — The Juniata Electric Light, Heat & Power Co., has been incorporated with a capital stock of $5,000. The directors are: Harry D. Hewitt, Treas., John T. Leet and Peter S. Duncan, all of Hollidaysburg, Pa.

HARRISBURG, PA.—Charters have been granted to the Aston Electric Light, Heat & Power Co., the Marple Electric Co., the Middletown Electric Light & Power Co., and the Nether Providence Electric Co., each company capitalized at $5,000. The following are directors of all of the companies: H. E. Marlor, of Philadelphia, Pa., Treas.; H. W. Rhodes and W. Roger Fronfield, of Media, Pa.

PHILADELPHIA, PA.—Bids will be re-received until Sept. 20 by Col. F. L. Denny, Q. M., U. S. Marine Corps, Washington, D. C., for furnishing and installing complete, at the Depot of Supplies, Marine Corps, 1110 S. Broad St., Philadelphia, a horizontal side crank engine, 15 × 20 in a 100-KW., a. c., 220 volts 2-phase generator with switchboard complete. Separate bids will be received for engine and generator.

WILMINGTON, DEL.—Preparations are being made by the New Castle Leather Co., to build an addition to its power house, which will be equipped with a 250-KW., direct-current generator, belt-driven, to drive six 30-HP. motors.

The Street and Sewer Directors have adopted new specifications for street lighting. Bids will be received until Oct. 5, the contract to go into effect April 1, 1910. The present contract with the Wilmington City Electric Co., will expire Sept. 7, but it is expected that it will be extended until next April, when the new contract will go into effect. The incandescent lamps now in use are of 16-c p., but, under the specifications, they will be changed to 40 and 60 cp., and improved arc lamps will be used. The specifications call for about 425 incandescent lamps and 300 arc lamps. Bids will be received for 2-year and 5-year terms, beginning April 1, 1910. Specifications may be obtained at the office of the department. Leslie V. Christy is Secy.

ALEXANDRIA, VA.—The Braddock Light & Power Co. has been chartered, with a capital stock of $5,000, to construct and operate an electric light plant. The officers of the company are: Clarence F. Norment, Pres.; F. J. Whitehead, Secy., and H. W. Fuller, Treas., all of Washington, D. C.

CALERA, ALA.—Plans are being made to organize a company under the name of the Calera Water & Lighting Co., to build lighting and ice plants and a water works system. The company will be capitalized at $25,000. The Rossland Development Co., 211 Woodward Bldg., Birmingham, Ala., is interested.

MONTGOMERY, ALA.—The Citizens' Light Heat & Power Co., of Montgomery, is issuing $500,000 bonds, it is reported, the proceeds to be used for improvements. Steps are to be taken at once, it is stated, to install a 5,000-HP. steam turbine with a 2,000-KW. direct-connected generator.

CADIZ, KY.—Plans are being considered by A. F. White & Co., for the installation of an electric-light plant here. The company, it is reported, has agreed to install the plant this fall if the City Council will contract for twelve or more street lamps. Power will be secured from the dam at the mil of the company in Cadiz. Gasoline engines will also be installed to furnish power during the low-water periods.

FREMONT, OHIO.—The Fremont Power & Light Co., on Sept. 3, awarded contract to ROBERT LYSLE, engineer and contractor, Chicago, Ill., for the erection of a $900,000 concrete dam and power house a point a mile south of Fremont. The waters of Sandusky River are to be used for electricity generated. The plant is to be in operation within one year with a capacity of 2,500 HP. Cameron & Co., of Chicago, are financing the project.

ASHTABULA, OHIO.—Bids will be received by the Board of Public Service until noon, Sept. 17, for furnishing all necessary labor and materials for the improvement of the city electric light plant by the erection of a brick addition, according to plans and specifications on file in the office of the Board or Superintendent of Light Plant, A. T. Richardson is Clk.

JASONVILLE, IND.—The Reliance Engineering Co., 311 Fourth National Bank Bldg., Cincinnati, Ohio, is preparing plans for an electric light plant and water works plant for the Jasonville Electric Co. The lighting plant will be combined with the water-works, and the lighting system will be extended to Hymera. Estimated cost, $30,000 and $50,000, respectively.

HUNTINGTON, IND.—B. F. Bowser, of Marion, Ind., is reported to have proposed the City Council for a franchise for an electric light, heat and power plant.

GALENA, ILL. — The DES MOINES BRIDGE & IRON CO., of Des Moines, has secured contract for building a power house for the Interstate Construction Co. at Galena. Estimated cost, $150,000.

NEW RICHMOND, WIS.—The Washington County Light & Power Co., of Stillwater, Minn., has taken over the entire gas, electric light properties and franchises of the Apple River Power Co. and the Western Gas & Improvement Co. It is said that extensions and improvements are contemplated to cost about $210,000.

RED WING, MINN.—The Chippewa Valley Ry., Light & Power Co., Eau Claire, Wis., has awarded contract to the RED WING GAS LIGHT & POWER CO., of Red Wing, to supply them with electrical current for their entire plant. Work of construction has begun.

CLAY CENTER, NEB.—M. M. Johnson, of Clay Center, is contemplating the installation of an electric light plant to furnish electricity for lamps and motors in Clay City.

LIBERAL, MO.—The Liberal Rolled Feed Mill & Elevator Co. is planning to install an electric pant, the equipment of which will include a 30-KW. direct-current generator.

ST. LOUIS, MO.—Bids were received on Sept. 7, by the Buiding Committee of the Board of Education for electric lamps for school buildings. Ten bids were received and of these nine submitted the same bid at $4.-834. The lowest bids was submitted by the Commercial Electric Supply Co., at $4.81.

WESTVILLE, OKLA.—The Westville Electric Light & Power Co., W. T. Tipton, Acting Secy., will be formally organized on Sept. 20 to construct an electric light plant to cost $8,000. P. J. Dore, H. G. Noll, T. E. Sheffield and W. T. Tipton are incorporators.

CANTON, OKLA.—The citizens here voted $40,000 for an electric light plant.

TRINIDAD, COLO.—It is expected that Frank P. Read, receiver of the Southern Colorado Power Co., with permission of the court, will soon place orders for new machinery for the new power station, which will replace the one destroyed by fire in June. The company is to be reorganized with a capital stock of $5,000,000.

OLYMPIA, WASH.—The Tenino Light, Power & Water Co. will put in a large dam at the headwaters of the Skookumchuck River for power purposes.

TACOMA, WASH.—Bids will be received, it is said, until Sept. 18, by H. J. McGregor, Comr. Pub. Wks., for a 750-KW., 25,000-50,000 3-phase by 2,300 2-phase transformer.

MEADOW BROOK (Muling Post-office), ORE.—Preparations are being made by the Canby Canal Co., for the construction of a power plant in Meadow Brook, where it is constructing a dam. The company proposes to furnish electricity for lamps and industrial plants.

MARICOPA, CAL.—Plans are being made by the West Side Electric Co. for the construction of an electric light plant to supply electricity for the field. It is said that the main plant will be located on the lease of the Sunset Rex Co., near Maricopa, and the initial equipment will have a rating of 400 HP. Orders have already been placed with the WESTERN GAS ENGINE CO., for machinery. It is expected to have the plant in operation by Oct. 15, and to supply electricity in Maricopa at that time. The transmission lines will be extended to Midway and McKittrick as soon as possible. Contracts have also been placed for machinery to develop 900 HP. in addition to the first installation. J. F. Stratton is Vice-Pres. and Gen. Mgr.

VALLEJO, CAL.—Bids were received as follows on Sept. 11, by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a central power plant building at the Mare Island navy yard: E. D. Crowley Co., 127 Market St., San Francisco, $59,894; Healy Tibbitts Construction Co., 268 Market St., San Francisco, $64,444; W. N. Concannon Co., 434 Monadnock Bldg., San Francisco, $63,518.

LONDON, ONT.—The City Council has voted in favor of expending $70,000 for an underground transmission system in connection with the distribution of power from Niagara Falls.

WINNIPEG, MAN.—Bids were opened on Sept. 1, by the City Council for equipment for civic power plant, Smith, Kerry & Chace, Winnipeg, Engrs. We are officially advised that contracts have been awarded as follows: For five 3,000-HP., double-runner, horizontal shaft turbines for 45 ft. head, at 164 r. p. m., in open pit, and for two exciter turbines, 450 H.P., at 400 r. p. m., twin-runner in steel case, erected in our power house to JENS ORTEN BOVING CO., 90½ Union Court, London, England., $97,150; for five 3,000-KW., 6,600-volt, 3-phase alternators and two 300-KW., 125-volt exciter generators, erected to VICKERS SONS & MAXIM, Sheffield, England, at $93,080; for six 3,000 K.V.A., 6,600-volt, o. i. w. c., single-phase transformers and necessary switching and lighting protective apparatus, to CANADIAN WESTINGHOUSE CO., Ltd., Hamilton, Ont., at $150,000; for light, heat and power system, installed complete, to CANADIAN GENERAL ELECTRIC CO., Ltd., Toronto, Ont., at $11,000; for three electric traveling cranes, erected, to CANADIAN FAIRBANKS CO., Ltd., Winnipeg, Man., at $14,900; for the auxiliary apparatus for the generating station, including valves, pumps, compressors and considerable mechanism, to same; and to the CANADIAN GENERAL ELECTRIC CO., Ltd., Toronto, Ont., at $34,421.

ESTEVAN, SASK.—Bids will be received by Nap Tessier, Secy., Department Pub. Wks., Ottawa, Ont., until 5 p. m., Sept. 21, for electric light wiring and fittings for the public buildings now under construction here.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

AUGUSTA, ME.—Contracts for the superstructure in the construction of a highway bridge across the east branch of the Penobscot River in the town of Medway, Penobscot County, and for the construction of a highway bridge across the Aroostook River in the town of Masardis, Aroostook County, have been awarded to the AMERICAN BRIDGE CO., 30 Church St., New York, and the masonry work on both the bridges has been awarded to REED, STEWART & BLUNT, of Skowhegan. The bids on the superstructure of the Medwad bridge were as follows: American Bridge Co., $13,140; Boston Bridge Works, $13,699. The bids on the masonry part of the Medway bridge were as follows: Leslie & Maher, of Millinocket, first-class masonry, $15 per cu. yd.; concrete masonry, $15 per cu. yd.; excavation under water, $1.50 per cu. yd.; Reed, Stewart & Blunt, of Skowhegan, first-class masonry, $14.50; concrete masonry, $8.50; excavation under water, $2. The bids on the superstructure for the highway bridge at Masardis were as follows: American Bridge Co., $7,680; Boston Bridge Co., $8,848. The following bids were received on the masonry work of the Masardis bridge: Reed, Stewart & Blunt, first-class masonry, $10.66; one of cement, three of sand and six of gravel, $8.50; on excavation under water, $2; The New England Contracting Co., of Worcester, Mass., first-class masonry, $8.87; concrete, $8.87; excavation under water, $100 per cu. yd.

*PAWTUCKET, R. I.—Bids are asked by the North Main St. Bridge Commission at the office of F. B. Lawton, Secy., until noon, Sept. 30, for the construction of an arch bridge across the Blackstone River at North Main St.

POMFRET, (Portland post-office), N. Y.—Bids were opened on Aug. 25 by the Town for constructing a reinforced-concrete bridge span 80 ft., width of driveway 30 ft., with two 6-ft. sidewalks. Contract has been awarded to KNOBLOCK & SHELTON, of Erie, Pa., at $5,587. Henry Peterson, of Fredonia, is Town Supt.

*READING, PA.—Bids will be received by A. L. Rhoads, Controller Berks County, until 10 a. m., Sept. 29, for the construction of the superstructure of a 1-span steel girder bridge, with reinforced-concrete floor and macadam roadway, over the Perkiomen Creek, in Hereford Township; also for taking down and rebuilding a pier in the Douglassville bridge across the Schuylkill River at Douglassville.

YORK, PA.—Bids will be received by the Commissioners of York County until 10 a. m., Sept. 21, for repairing and rebuilding the Beaver St. Bridge. C. B. King is Clk.

UNIONTOWN, PA.—Bids will be received by the County Commissioners, Uniontown, until noon, Sept. 24, for the construction of stone abutments and wing walls for a bridge over York Run in Georges Township near Thomas' cross roads; also on same date and time for the superstructure which is to be of steel, 42 ft. 6 ins. in length, consisting of one span, with floor of concrete. Robert Powell is Clk.

HOMESTEAD, PA.—Bids are asked until 7.30 p. m., Sept. 22, by the Township Commissioners for the erection and construction of a steel and concrete bridge across run in Curry's Hollow. M. J. Krugh is Town Clk.

SALISBURY, MD.—Wicomico County will construct an iron bridge across Humphreys mill dam.

INDEPENDENCE, VA.—Bids will be received until Sept. 18 by P. St. J. Wilson, State Highway Comr., Richmond, for constructing two steel bridges across Fox Creek in Grayson County, one 70 ft. long and one 100 ft. long.

PRINCESS ANNE, VA.—Bids are asked by the Princess Anne County Supervisors until Sept. 27 for the construction of a bridge across Blackwater River. A. E. Kellam is Clk.

BENWOOD, W. VA.—Albert Lucius, of New York, is preparing plans for a bridge across Ohio River at Benwood. Estimated cost, $300,000.

TALLULAH, LA.—Bids are asked by Madison Parish until Nov. 3 to construct a bridge over Roundaway Bayou, 140 ft. long, 16 ft. wide, with 60-ft. span approaches to be filled. A. L. Slack is Secy. Police Jury.

*NATCHITOCHES, LA.—Bids will be received by the Committee of the Police Jury of Natchitoches Parish until 10 a. m., Oct. 18, at Natchitoches, for building a creosoted pile bridge across Black Lake. P. E. Prudhornul is Pres.

HAMILTON, OHIO.—Bids will be received by J. E. Brate, Audr., Butler County, until 10 a. m., Sept. 28, for the construction of the substructure and superstructure of a bridge at the Louis Wagner farm, over Brown's run, in Madison Township.

YOUNGSTOWN, OHIO.—The Board of Public Service on Aug. 25 is stated to have awarded contracts for constructing the Spring Common bridge as follows: Structural work, to FORT PITT BRIDGE CO., House Bldg., Pittsburg, at $59,060; masonry and grading, to THOMAS LIGHTBODY, at $25,497.

STEUBENVILLE, OHIO.—Bids will be received at the office of the County Auditor until noon, Sept. 25, for the construction of bridge No. 22, Warren Township.

CLEVELAND, OHIO.—The Board of Public Service on Sept. 7 awarded contracts for building the superstructure of the bridge over the New York, Chicago & St. Louis Ry. at Adelbert Road and for paving Cedar Ave. at the grade crossing elimination: WILLIAM KUPPER & CO., American Trust Bldg., Cleveland, secured contract for the superstructure work at $13,399. There were seven bidders for this work. The James Duff Construction Co. was second lowest at $13,816. R. E. BURNETT secured the paving contract at $10,184, the lowest of five bidders.

LANCASTER, OHIO.—Bids are asked by the County Commissioners until 10 a. m., Sept. 21, for the construction of the steel superstructure of a bridge across Rush Creek Township to consist of one span of 100 ft. clear of abutments and 16 ft. clear roadway with permanent floor. H. C. Belt is Clk.

PORTLAND, IND.—The Commissioners of Jay County will ask for bids for the construction of a concrete bridge 16 ft. wide and 100 ft. long over the Salamonia River on the county line road as soon as plans are completed.

RICHMOND, IND.—The Commissioners of Wayne County have decided to prepare plans and let contracts for the construction of three bridges, one in each of Jefferson, Perry and Dalton Townships.

GRAND LEDGE, MICH.—Plans, specifications and bids will be received by F. B. Whipple, City Clk., until Sept. 20, for the construction of a 3-span reinforced-concrete bridge across Grand River on Bridge St.

DANVILLE, ILL.—The Committee on Bridges of the Board of Supervisors and the Road Commissioners of Catlin Township, on Sept. 4 awarded contract for constructing the new bridge at Rocky Ford in Catlin Township to the ATTICA BRIDGE CO., at $10,998.

*AURORA, ILL.—Bids will be received until 10 a. m., Oct. 2, at the office of the City Clerk on material contained in two iron bridges of through trusses of about 175 ft. each, each span weighing about 85 tons.

*CHICAGO, ILL.—We are officially advised that bids were received as follows on Sept. 8 by the Sanitary District of Chicago for the erection and completion of the superstructures of highway bridges crossing the north shore channel of the sanitary district of Chicago on the line of Isbella St. and at Lincoln St. in the city of Evanston, Ill.: The Kelly-Atkinson Construction Co., 188 Madison St., Chicago, $6,337; Charles Volkmann & Co., 184 Dearborn St., Chicago, $6,274. C. R. Dart is Bridge Engr.

ORD, NEB.—Bids will be received by Rudolph Sorensen, Clk. Valley County, until noon, Sept. 21, for the construction of various bridges.

*TEXARKANA, TEX.—Bids will be received until noon, Oct. 7, at the office of A. B. De Loach, Mayor, for the construction of roads and bridges in Road District No. 1, of Bowie County. Plans and specifications and bidding blanks can be seen at the office of J. W. Maxcy Co., Houston, Tex., the Mayor's office, Texarkana, the County Judge's office, New Boston. For further details see advertisement in this issue.

TISHOMINGO, OKLA.—The Commissioners of Johnston County have awarded contract for the construction of 24 steel bridges at total cost of $62,211, to the MIDLAND BRIDGE CO. and KANSAS CITY BRIDGE CO., both of Kansas City, Mo., and MISSOURI VALLEY BRIDGE & IRON CO., Leavenworth, Kan.

GUTHRIE, OKLA.—Bids will be received by the Board of Commissioners of Logan County, Fred. R. Morgan, County Clk., until 10 a. m., Oct. 4, for constructing a 180-ft. span bridge superstructure across Skeleton Creek, in Rose Hill Township.

SHIPROCK, N. MEX.—Bids will be received by the Commissioner of Indian Affairs, Department of the Interior, Washington, D. C., until 2 p. m., Oct. 15, for the construction of a steel highway bridge across the San Juan River, San Juan Reservation, New Mex. William T. Shelton is Supt., Shiprock.

OTTAWA, ONT.—Bids will be received until noon, Sept. 28, by the Commissioners of the Trancontinental Ry. Co., Ottawa, H. D. Lumsden, Ch. Engr., for constructing steel superstructures and floor systems (with ties and wooden guard rails complete) required for bridges as follows: Dist. "A."—Cains River; South West Maramister, N. B.; Jumper Brook; Odell Brook. Dist. "D."—Low Bush River; Circle River; Brule Creek; Fredenchouse River; Buskegow River; Driftwood River; Mattagama River.

PETERBOROUGH, ONT.—GEORGE A. BEGG & CO., of St. Catherine's, Ont., have been awarded contract for the reinforced-concrete bridge across the river at Smith St. Cost, $28,699.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

SPRINGFIELD, MASS.—The Springfield Hotel Corporation will begin work this month on erection of a $75,000 hotel at Bridge St. and Broadway. Herbert Myrick, of Springfield, is interested.

BOSTON, MASS.—The Abraham Lincoln School building is to be erected at Ferdinand, Fayette and Melrose Sts., from plans by A. W. Longfellow, Arch., Tremont Bldg., Boston. The 4-story structure will front 112 ft. on Ferdinand St.; about 176 ft. on Fayette St., and the same length on Melrose St. The building will set back 18 ft. from Ferdinand St. to provide for the possible widening of that thoroughfare and its extension to Boylston St. Provision, also, has been made by the Schoolhouse Commissioners and the architect for lawns on Fayette St. front. Play yards for the girls will be laid out on the Ferdinand St. front and for the boys on Melrose St., with a small space on the Fayette St. side. Hedges will be grown on the three sides of the lot with poplar trees set out at intervals of 20 ft. There will be 40 classrooms in the building exclusive of manual training shops and cooking kitchens and a nurses' room in the basement for boys and girls. Of the 40 classrooms there will be twelve seating 50 each. The rest seating 44. The material of construction will be granite, brick, limestone and reinforced concrete. The corridors will be lined with glazed brick, and the whole structure made as nearly fireproof as possible. There will be two main entrances from Fayette St.; two emergency exits to Melrose St.; the girl scholars will enter through the basement from Ferdinand St. and the boys from Melrose St.

SPRINGFIELD, MASS.—The work of completing the plans for the Hotel Kimball, which is to be erected upon the site of St. Paul's Uuiversalist Church, is being done by Samuel M. Green, Inc. The building will be built of limestone and terra cotta, surmounted by brick. The structure will be constructed in the shape of a hollow square and in the center will be a large court 77 x 68 ft. The building will have about 300 rooms for guests, and each room will have a private bathroom. It is expected that bids for the general contracting work will be called for soon.

HARTFORD, CONN.—Competitive plans, specifications and estimates will be received by Thomas D. Bradstreet, State Comptroller, until noon, Sept. 21, for a dining hall and four cottages for the Connecticut Agricultural College.

NEW YORK, N. Y.—The mason contract has been awarded to LINDSAY, KLAPPERT & LOVELL, 103 Park Ave., for the 3-story brick, marble and granite pathological building at Amsterdam Ave. and 113th St., for St. Luke's Hospital, from plans by Ernest Flagg, 35 Wall St.

ORMONDE & O'BRIEN, 909 President St., Brooklyn, have secured the general contract to build the 4-story and basement brick fireproof parish house, 70 x 95 ft., at 331-345 West 25th St., New York, for St. Columba's Church. The building will contain 20 classrooms, an assembly hall to seat 1,000 people and is estimated to cost about $100,000. The plans have been prepared by Thomas H. Poole & Co., of 13 West 30th St. The Rev. Father Thomas A. Thornton, 341 West 25th St., is in charge.

The Saxonia Realty Co., 3089 Broadway, will erect at the northeast corner of Ft. Washington Ave. and 162d St., a 6-story apartment house irregular in size, to cost about $175,000. Neville & Bagge, 217 West 125th St., are Archs.

The contract for furnishing the steel work for the Armory of the 22d Regiment, N. G., S. N. Y., at Fort Washington Ave., 168th and 169th Sts., Washington Heights, has been awarded to the BALTIMORE BRIDGE CO., 68 Broad St. GUIDONE & GALARDI, 162 East 23d St., are general contractors, and Walker & Morris, 66 East 23d St., Archs. The building is to cost $515,000.

The general contract for erecting a 12-story and basement combination light manufacturing and automobile building at 244 to 252 West 54th St. has been awarded to the THOMPSON-STARRETT CO., 49 Wall St., New York. The owners are Albert R. Shattuck and George F. Chamberlin. Percy Griffin, 50 Church St., is Arch.

NEW YORK, N. Y.—Plans have been prepared by Schwartz & Gross, Archs., 347 Fifth Ave., for a 12-story elevator apartment house to be erected on a plot 100 x 51.11 ft., on the south side of Cathedral Parkway, 100 ft. west of Amsterdam Ave., to cost about $400,000. The Carlyle Realty Co., of 198 Broadway, will erect the building. The construction will be of fireproof materials.

Structural work is to begin soon on the sanitary tenements which Mr. and Mrs. W. K. Vanderbilt, Sr., as owners, are to erect in the north side of 77th St., through to 78th St., the south side, 173 ft. each of Ave. A, to cost approximately $700,000. As planned by Henry Atterbury Smith, 1811 Broadway, the buildings will have six stories, covering plots 117 x 89.2 ft. each, with brick walls and reinforced concrete floors, and partitions fireproof throughout, but otherwise as economically built as possible. There will be steam or hot water heating from a central plant, gas ranges, drying rooms and extra laundries in basement and all the usual model tenement improvements. The site is being excavated. Estimates will be taken on all branches of materials and labor in a few days by the architect. No contract except for excavating has yet been issued.

The general contract for the proposed 9-story and basement fireproof brick and stone dispensary and dormitory, to be erected by the Babies' Hospital of the City of New York, at 661 Lexington Ave., has been awarded to the WILLIAM L. CROW CONSTRUCTION CO., 289 Fourth Ave., from plans by York & Sawyer, 156 Fifth Ave. The structure will be an annex to the present building, having dimensions of 23 x 48.4 ft., with a tile roof, costing about $50,000. John Sherman Hoyt, 101 East 65th St., is Pres., and B. Ogden Chisholm, 66 Beaver St., Secy.

Shampan & Shampan, Archs., 772 Broadway, Brooklyn, are preparing plans for a 2-story stable, 75 x 100 ft., to be erected in the south side of Heyward St., 190 ft. east of Harrison Ave., Brooklyn, for August Ziegler & Sons. The first floor to be used for office and wagon purposes. The second floor for stalls. Estimated cost, $40,000.

E. M. Krulewitch, 695 St. Nicholas Ave., will erect a 6-story flat house, 99.11x90 ft., at the southeast corner of Convent Ave. and 149th St., to cost $240,000. Neville & Bagge, 217 West 125th st., are Archs.

NEW YORK, N. Y.—Cady & Gregory, 6 West 22d St., Archs. for New York University, have filed plans with the Buildings Superintendent for enlarging the University Medical School, on First Ave. north of 25th St. by a 6-story addition adjoining the Carnegie Laboratory, at 433 First Ave. It will be of brick and limestone, of modern Renaissance design, with a frontage of 24.8 ft. and a depth of 100 ft., with an extension of 49½ x 30 ft. The building will be furnished with operating wards, sterilizing and etherizing rooms and a series of recovery rooms, in addition to general rooms for the university staff and students. It is to cost $65,000.

A $1,000,000 building is to be erected for the New York Polyclinic Hospital, now at Third Ave. and 23d St., on the premises 337 to 351 West 50th St. and the abutting parcel, 346 West 51st St. The structure will be twelve stories and have a frontage of 153.2 ft. on 50th St. and 12.6 ft. on 51st St. Dr. John A. Wyeth is Pres. of the institution.

Plans have been filed for a new 6-story apartment house to be built at the northeast corner of Audubon Ave. and 176th St., at a cost of $200,000, by the Granite Construction Co., Isaac Witkind, Pres. Neville & Bagge are Archs., 217 West 125th St.

Herbert M. Baer, Arch., 542 Fifth Ave., will prepare the plans for the 3-story restaurant building to be erected by James Churchill at Broadway and 49th St. The new structure will be three stories high and will cost about $200,000.

The building at the north corner of 78th St. and Fifth Ave., which was recently purchased by James B. Duke, is to be replaced with a dwelling house from plans by Horace Trumbauer, Arch., Land Title Bldg., Philadelphia. It will cost, it is stated, about $500,000.

The plans for reconstructing the Parker Building at Fourth Ave. and 19th St. have been completed by R. H. Robertson & Son, Archs., 160 Fifth Ave.

NEW YORK, N. Y.—We are officially advised that Trowbridge & Livingston, Archs., 527 Fifth Ave., have prepared plans for a 5-story residence, 28 x 100 ft. for Benson B. Sloane, 38 Wall St., to be erected at 41 East 65th St., costing around $70,000. The architects will have charge of construction. The general contract has been let to WM. CRAWFORD, 5 East 42d St., New York; excavation to E. & J. MARRIN CO., 520 East 18th St., New York.

NEW YORK N. Y.—See item under Manufacturing Plants.

NEW YORK, N. Y.—Bids are asked by William F. Baker, Police Comr., until 10 a. m., Sept. 27, for completing contract executed by New York Steam Fitting Co., February 18, 1905, and which has been declared abandoned, for furnishing all the labor and furnishing and erecting all the materials necessary to install the heating and ventilating system, boilers and steam piping in the new building to be erected on the block bounded by Grand, Centre and Broome Sts. and Centre Market Pl., Boro. of Manhattan, for headquarters for the Police Department of the City of New York.

Bids are asked until 2.30 p. m., Sept. 28, by Robert W. Hebberd, Comr., Dept. of Public Charities, for furnishing all the labor and materials required for the erection and completion of annex on west side of main building, Kings County Hospital, Boro. of Brooklyn.

Bids are asked at same time and place for furnishing all the labor and materials required for the erection and entire completion of new Bradford St. Hospital, Boro. of Brooklyn, the City of New York.

HUGUENOT PARK (S. I.), N. Y.—Structural work will soon be started on the hotel which the Terra Marine Co., 500 Fifth Ave., New York, is to erect at Terra Marine Park, Huguenot Park, S. I., at an estimated cost of $1,000,000. The general contract has been awarded to the UNITED CONTRACTORS' CORPORATION, 11 Exchange Pl., Jersey City. Figures on all materials and subcontracts have been received and are in charge of the general contractors. The construction will be of steel and concrete and fireproof. The plans have been prepared by Clinton Mackenzie, of 82 Beaver St., New York.

MONTICELLO, N. Y.—We are officially advised that a Masonic Hall is to be erected by the F. and A. M., of Monticello, to replace the hall recently destroyed by fire. Charles S. Starr is Chn. of the Bldg. Com. Contracts for construction probably will be let at once.

SARATOGA SPRINGS, N. Y.—Bids were received as follows on Sept. 9, by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., for the construction of a post-office building at Saratoga Springs, N. Y.: Watertown Construction Co., Watertown, N. Y., $80,631; Pancher & Driscoll, Canastota, N. Y., $94,713; A. E. Stephens Co., Binghamton, N. Y., $97,000; Linehan & Burnham Co., Glens Falls, N. Y., $93,393; Oscawana Building Co., New York, $91,700; William H. Fissell & Co., 116 Nassau St., New York, $90,473; Durolithic Co.,

Buffalo, N. Y., $93,000; Wills & Marvin Co., New York, $89,500; Mark P. Wells, Philadelphia, $79,907; Ambrose B. Stannard, St. James Bldg., New York, $87,575. Time, Oct. 1, 1910.

SYRACUSE, N. Y.—McLAUGHLIN & BURCHILL, of Syracuse, have secured the general contract from the Board of Education for a 2-story and basement brick school building, 80 × 105 ft., to be erected on Hawley Ave., between Teal Ave. and Winton St. Cost, $55,000. Gaggin & Gaggin, 722 University Block, are Archs.

UTICA, N. Y.—It is stated the New York Central & Hudson River R. R. Co. contemplates erecting a freight house here. Plans are being prepared by D. R. Collins, Arch., and G. W. Kittridge, Ch. Engr., 335 Madison Ave., New York.

BUFFALO, N. Y.—The Board of Supervisors of Erie County are considering plans for erecting a County Hospital building, or remodeling present building. The Almshouse Committee has submitted to the Board three sets of plans for remodeling the present building. One for superficial repairs to cost $90,750; a second for repairing and remodeling, at $135,750, and a third for repairing, remodeling and fireproofing walls and floors, at $179,650. Plans for new building have been submitted also but estimates of the cost are not yet complete. No action will be taken until the next meeting of the Board.

HAMBURG, N. Y.—Revised plans are being prepared by Thomas W. Harris, Arch., Erie County Bank Bldg., Buffalo, for a 2-story and basement school building, 56 × 90 ft., of brick and steel construction with stone trimmings, to be erected here. Approximate cost, $50,000. Albert Strathmaier is Clk. Bd. of Education, Hamburg.

SOMERS POINT, N. J.—E. R. Gilbert, Weightman Bldg., Philadelphia, Pa., is planning to erect a hotel at Somers Point, to cost about $200,000.

*HACKENSACK N. J.—Bids are asked by the Bergen County Building Committee until 10 a. m. Sept. 30, for the erection and construction of a 3-story and basement fireproof court house, for Bergen County, at Hackensack. James Riley Gordon, 402 Fifth Ave., New York, is Arch.

HARRISON, N. J.—The Pennsylvania R. R. Co. has secured a permit to erect two concrete and steel train sheds between Ogden Ave. and Seventh St. to cost $66,000. This is in connection with the erection of a terminal contemplated at Harrison.

PHILADELPHIA, PA.—Plans have been completed by George E. Savage, Arch., Provident Bldg., for erection of a 1-story and gallery stone church and a Sunday school and parsonage for the Erie Avenue Methodist Episcopal Church. It will be built at Rising Sun Lane and Erie Ave., at a cost of $40,000.

The United Gas Improvement Co. has decided to erect a building on the site of the Archambault Building at the northeast corner of Market and Eleventh Sts., which collapsed six weeks ago. The new structure, plans for which have been prepared by Lacey & Rush, 1012 Walnut St., will occupy both the site of the Archambault Building and the adjoining property. It will be four stories high, 35 × 112 ft., and will cost upward of $100,000.

JOHN G. BROWN, Witherspoon Bldg., has a contract to build a 6-story concrete warehouse for P. Blakiston's Son & Co., 1012 Walnut St., medical publishers, on the plot of ground bounded by Warnock, Chancellor and Clifton Sts., which has been acquired by P. Blakiston's Son & Co. The building will be fireproof, no woodwork entering into its construction. It will occupy a lot 44 × 79 ft., and will cost about $50,000. The building will be used for the preparation and storage of the valuable scientific plates, illustrations and works.

Plans for a $50,000 house and garage to be built at 64th and Drexel Road by Clarence H. Geist have been completed by Charles Barton Keen, Arch., Baily Bldg. The house will be of brick and concrete, of Colonial design, 74 × 69 ft. The lot on which it will be built was recently purchased by Mr. Geist.

BALTIMORE, MD.—Snow, Mecaslin & Co., importers, have commissioned William M. Ellicott, Arch., Union Trust Bldg., to have the work on their 6-story building at 21 and 23 West Baltimore St., started immediately. Plans have been completed and the work of excavating has been completed. The contract has been awarded to JAMES F. FARLEY, Franklin Bldg. The building will front 37 ft. on Baltimore St., between Charles and Hanover Sts., and will have a depth of 105 ft. The foundation will be concrete and the balance partly steel and mill work. A row of steel columns will support the center of the building and the floors will be wood. The front will be made of Roman tapestry brick with marble trimmings. The building will cost about $45,000.

*FREDERICKSBURG, VA.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Oct. 4, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Fredericksburg, Va.

NEW ORLEANS, LA.—The lowest bidder for mechanical equipment for the post-office to be built here was Charles E. Monday & Co., 1318 Olive St., Philadelphia, and not Charles E. Mandry, as stated last week. The bid was $193,794, and was received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., on Sept. 7.

PARIS, KY.—James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., has awarded contract for the construction of a post-office at Paris, Ky., to FANCHER & DRISCOLL, of Canastota, N. Y., at $40,603. Time, Oct. 1, 1910.

AKRON, OHIO.—Esenwein & Johnson, Archs., 777 Ellicott Sq. Bldg., Buffalo, N. Y., have prepared plans for a 7-story hotel building, 100 × 180 ft., to be erected at the corner of Main and Market Sts. by the Akron Hotel Co., F. J. Carnahan, Secy., Akron. The structure will be of steel, stone and pressed brick. Cost, $350,000. E. Betts is Associate Arch., Cleveland, Ohio.

LEBANON, IND.—Bids are asked by the Commissioners of Boone County until Oct. 4 for the construction of a court-house and heating plant. B. F. Herdrich is County Audr.

NEW ALBANY, IND.—Commissioners of Floyd County will ask for bids soon for the construction of a workhouse.

INDIANAPOLIS, IND.—Stegemyer Bros. have leased for 99 years ground on North Illinois St. upon which to construct a business house, estimated to cost $80,000.

Bids are asked by J. E. Cleland, Business Director School Bd., until 1 p. m., Oct. 1, for the erection of a branch library building on Morris St. R. P. Draggett & Co., Lemcke Bldg., are Archs.

The work of constructing the proposed building for "The Indianapolis News" on the space that has been cleared for it in Washington St. at the first alley east of Illinois St. and immediately east of the present office, will begin at once. The building, it is expected, will be ready for occupancy about April 1, 1910. It is to be erected for "The News" by Delavan Smith, one of the owners of the paper. It will be ten stories high, with a 13-ft. basement. There will be light on three sides, with a frontage of 36 ft. in Washington St. and in Court St., and a depth of 120 ft. The building will be of fireproof, skeleton steel construction, with terra-cotta casings for all structural members and floors, fireproof wire-glass windows in the office section, two electric elevators, complete wiring installation for electric light and power and for telephone and telegraph service. The general contract has been let to the BEDFORD STONE CONSTRUCTION CO., of this city, and the contract for the steel and steel construction work has been let to the BROWN-KETCHAM IRON WORKS, of this city.

The Indianapolis Motor Speedway Company is preparing to ask for bids for cobstructing three garages, an additional ampitheatre and for the resurfacing of the speedway. Estimated cost, $150,000.

BRAZIL, IND.—The local Y. M. C. A. is planning to erect a building. Estimated cost, $50,000. Bids will be in order when plans are approved.

PERU, IND.—It is reported that the City Council will ask for bids soon for the construction of a city hospital. E. E. Lamm is Arch.

JASPER, IND.—We are officially advised that Milburn, Heister & Co., Archs., Home Life Bldg., Washington, D. C., have awarded the contract for the proposed court-house to WALTER F. STILLWELL, of La Fayette, Ind., at $56,200. This calls for the building complete, including plumbing, heating, etc.

AUBURN, IND.—The Commissioners of De Kalb County have decided to order plans for a county court-house.

CHICAGO, ILL.—The proposed Gibbons Building is to be erected at 45-47 Jackson Boulevard, being the premises now occupied by Capper & Capper. It will be a 20-story structure. It will front 60 ft., with a depth of 80 ft. It will be of steel construction, with an exterior finish of granite, terra-cotta and bronze, after plans prepared by Marshall & Fox, Archs., National Bank Bldg., and is expected to cost $400,000. William M. Gibbons will occupy the first five floors with his clothing business, while the upper floors will be rented for office purposes and to retailers. Construction will begin as soon as the present lease on the property expires. The lot, which is on the north side of the street, between Wabash Ave. and State St., was leased by Mr. Gibbons for 104 years and ten months from July 1, 1906, from Katherine D. Keyes and Eugene S. Kimball.

Plans have been completed by Holabird & Roche, Archs., Monadnock Bldg., for the Broad View apartments, an 11-story building which William M. Le Moyne will build on Scott St., near Lake Shore Drive. The building will front 86 ft. and will have a depth of 120 ft. It will contain a number of apartments. The building will cost $350,000. Construction will begin this fall.

MADISON, WIS.—Wisconsin Capitol Commission, Lew F. Porter, Secy., has awarded following contracts for construction of the south wing of the $6,000,000 capitol: Foundation, excavation and superstructure, PAUL RIESEN'S SONS, Milwaukee, Wis., $270,000; settlings for boilers, H. A. BISHOP, Chicago, $5,190; fixtures, ART METAL CONSTRUCTION CO., Jamestown, N. Y., $8,100; pneumatic tubes, LAMSON CONSOLIDATED STORE SERVICE CO., $1,508.

MANITOWOC, WIS.—Bids are asked by James Knox Taylor, Superv. Arch. Treasury Dept., Washington, D. C., until 3 p. m., Oct. 20, for the construction (including plumbing, gage piping, heating apparatus, electric conduits and wiring) of the U. S. post-office at Manitowoc, Wis.

MILWAUKEE, WIS.—The Board of Public Works is preparing to issue a call for competitive plans for a $250,000 General Police Station and Police Court building, to be erected at Oneida St. and Broadway, Milwaukee.

Frank V. Newell, Arch., 185 Dearborn St., Chicago, has awarded the general contract for the proposed $120,000 hotel building for the Brock Hotel Co., to be known as the "Maryland Hotel" and to be erected on Fourth St., between Grand Ave. and Sycamore St., Milwaukee, to the LEAF GREEN CONSTRUCTION CO., Chicago, Ill. Andrew O. Brock is Pres. The hotel will be five stories high and of reinforced concrete construction.

H. Messmer & Sons, Archs., 473 East Water St., have awarded mason and carpenter contract for the proposed $55,000 business building to be erected at 712-714 Sycamore St., to HENRY DANISCHEFSKY, of Milwaukee. The building will be of reinforced concrete construction, five stories high.

A new school house in the 23d Ward, to cost $115,000, and additions to other school buildings, to cost an aggregate of $250,000, have been recommended by the School Board Committee on Buildings. These proposed expenditures will take the entire budget bond allotment of this year, and the balance is to come from the money available before the last bonds were sold. The site for the 23d District school has been selected. The addition is six rooms to the 17th District No. 2, $35,000; a site and building in the southeastern part of the Tenth Ward, $70,000; site for the Eleventh District School No. 3, $15,000; site for 18th District No. 2 and 19th District No. 2, $12,000 each. The Council will be asked to condemn land within certain prescribed boundaries.

A 5-story concrete building costing $50,000 will be erected on Seventh and Clybourn Sts. by Jacob Wellauer. The building will be largely occupied by the Badger State Business College. The college will arrange classrooms, lecture halls, dormitories, a library, reading rooms, clubrooms, shower baths and possibly a lunch room.

COUNCIL BLUFFS, IOWA.—Additions costing $100,000 are to be made during the next year to Mercy and St. Bernard Hospitals and St. Mary's Home for Young Women, all institutions of the Sisters of Mercy in Council Bluffs. Approximately half of this sum is to be expended by next spring. Plans for further construction, the cost of which cannot now be estimated, are under consideration. The first addition to be undertaken will be an "L" at the west end of Mercy Hospital, at the corner of Harmony and Frank Sts. It will be of architectural design to harmonize with the main hospital building, will extend the Harmony St. front of that structure 50 ft. further west than at present and will be joined to that building. Like the present hospital, it will have a height of three stories on Harmony St. with a deep basement, which will add another story on the south end. Part of the addition will contain the chapel of the institution, and the remainder will be devoted to hospital purposes. The cost of the addition will be about $47,000. Plans are in the hands of the architect and the building is to be erected this fall if the weather conditions are favorable. As soon as the addition to Mercy Hospital is completed work is to begin on an addition to St. Bernard's Hospital. Plans for this are well advanced. It will be built at the rear of the present hospitals, and will be three stories in height, the same as the main building. It is to cost $50,000.

ST. PAUL, MINN.—Reed & Stem, Archs., Endicott Bldg., city, are receiving bids for the general construction of the new science hall at Macalester (Presbyterian) College here. It will be built of pressed brick and cut stone, fireproof construction, three stories. Cost, $50,000.

FARIBAULT, MINN.—The State Board of Control, P. M. Ringdal, Chn., has awarded the contracts for the construction of an auditorium and library, industrial building and cold storage building at the State School for the Deaf here to O'NEIL & SON, of Faribault, Minn. C. H. Johnston, Manhattan Bldg., St. Paul, is Arch. Cost, $65,000.

OMAHA, NEB.—The City National Bank Building Co., which intends to build a 17-sty building in Omaha has filed articles of incorporation with the Secretary of State. The company has an authorized capital stock of $1,200,000. The incorporators are J. R. Webster, J. E. Baum, C. E. Grover, J. A. Sunderland, D. A. Baum, A. L. Schautz, I. E. George, J. F. Flack, A. J. Beston, C. E. Smith and Isaac T. Cook.

CARRINGTON, N. DAK.—Bids are asked by C. W. Burnham, County Audr., until Oct. 1 for construction of a pressed brick and cut-stone court-house here. It will have steam heating, electric lighting, marble and tile work. Buechner & Orth, Manhattan Bldg., St. Paul, Minn., are Archs. Cost, $65,000.

FORT D. A. RUSSELL, WYO.—Bids are asked by Capt. V. K. Hart, Acting Q. M., Cheyenne, Wyo., until 9.30 a. m., Sept. 23, for construction, plumbing, steam heating, electric wiring and fixtures of one set of quarters for civilian teamsters, Plan No. 258, at Fort D. A. Russell, Wyo.

*FORT YELLOWSTONE, WYO.—Bids are asked by Lieut. G. C. Smith, Constr. Q. M., Fort Yellowstone, until 2 p. m., Oct. 7, for constructing, plumbing, heating and electric wiring a guard-house building.

HELENA, MONT.—We are officially advised that plans have been adopted by the State Board of Examiners for the proposed additions to the State Capitol and the contracts for excavation and foundations have been let.

AMARVILLO, TEXAS.—The Railroad Commission has received plans for a passenger station and a freight depot and office building to be erected by the Atchison, Topeka & Santa Fe Ry. Co. at Amarillo. The proposed building will be capacious and may cost in the neighborhood of $100,000. The passenger station will contain a restaurant with modern appointments. C. A. Morse is Ch. Engr., Topeka, Kan.

DICKENS, TEX.—Bids are asked until 10 a. m., Oct. 1, by the Commissioner's Court of Dickens County, to erect a jail here. W. C. Ballard is County Judge.

DENVER, COLO.—A 10-story building, to cost about $750,000 probably will be erected soon upon the property belonging to the Church Estate at the north corner of 16th and Curtis sts.

Lewis G. Tewksbury has incorporated the Colorado Hotel & Restaurant Co., with a capitalization of $2,500,000, and the company soon will commence work on a $2,000,000 hotel.

ESTANCIA, N. MEX.—The County Commissioners of Torrance County have approved the plans of Rapp & Rapp, Archs., for the court-house to be erected here. Plans call for a 2-story st[illegible] the construction of the bu[illegible] ceived up to Oct. 1.

SEATTLE, WASH.—Work [illegible] razing the building on [illegible] Western Ave., between Ma[illegible] Sts., prepartory to the erec[illegible] building, by the Pacific W[illegible] cost $200,000.

A permit to construct [illegible] building 60 × 120 ft., at 113[illegible] was granted by the Departm[illegible] recently to the Cascade Inv[illegible] structure is to be built at [illegible] mated cost of $40,000. Thom[illegible] son, Archs., Maynard Bldg[illegible] plans and SAM FERNAN[illegible] tractor.

SAN FRANSICO, CAL.—W[illegible] the architect for a 10-sto[illegible] California St., to cost about [illegible]

The construction of a th[illegible] St., between Fifth and Sixth[illegible] with an office building, will[illegible] immediately for the Spreck[illegible] permit has been issued to the[illegible] cost of the building will be [illegible] Galen Howards, Atlas Bldg.[illegible] stories are planned. The theat[illegible] the back of the lot and six st[illegible] on Market St. The lot, which[illegible] ft., extends through to Steve[illegible] St. The entrance to the theatre will [illegible] end of the building. After [illegible] the side of the west store the [illegible] turn at a right angle. The [illegible] be Class A. The theatre part [illegible] ing will be arranged to seat 1[illegible] ditorium will be 90 × 95 ft. [illegible] including the space taken by the [illegible] 90 × 33 ft. There will be eight [illegible] one balcony to augment the seating [illegible] The entrance to the theatre [illegible] elaborate. It will be wainscoted [illegible] ble. Marble pilasters and other [illegible] features will be added.

SAN FRANCISCO, CAL.—The [illegible] be erected for the Sheridan-Proctor Co., Inc., on the southeast corner of Jones and O'Farrell Sts., will cost $94,000, exclusive of the cost of the land. Sutton & Weeks, Archs., Mutual Bank Bldg., have completed the plans and drawings. The building will be of brick, faced with Le Farge cement. It will be five stories high, and is designed for an apartment house. The frontage is 37.6 ft. in O'Farrell St. and 22.6 ft. in Jones St., and there is an "L" of 22 ft. The material for the exterior is brick.

Plans have been prepared by D. H. Burnham & Co., Archs., Merchants' Exchange, for a 6-story, basement and mezzanine building to stand on the northwest corner of Post and Stockton Sts., the former site of the Pacific Union Club. The cost of the structure is estimated at $150,000. The lot has a frontage of 80 ft. in Post St. and 122 ft., with an offset, in Stockton St. The builder is the Pacific Union Club, who will erect a fireproof business block which has been leased to Joseph Fredericks & Co. for a number of years. There will be two small stores in Post St. The remainder of the building will be occupied by Fredericks & Co. The exterior finish will be of stucco, pointed in imitation of stone. Around the top will be hung an ornamental balcony. The first story will be made of iron, with large show windows. The finish of the first story will be elaborate, a hardwood parquetry floor throughout and a mahogany wainscoting all around being distinctive features. Passenger and freight elevators, a system of sprinklers and vacuum cleaning plants are included in the plans.

BERKELEY, CAL.—John G. Howard, Arch., 604 Mission St., is working on the plans for an alumni hall, which is to be erected on the University of California grounds at Berkeley. The building will be Class A. The estimated cost is $150,000.

ARLINGTON, CAL.—A bond election will be held on Sept. 28 to decide on a bond issue of $115,000 to provide for a city hall and engine house for the town of Arlington.

FORT WINFIELD SCOTT (San Francisco post-office), CAL.—Bids are asked by Maj. George McK. Williamson, Q. M., San Francisco, until 11 a. m., Sept. 18, for constructing one company barrack and one double set officers' quarters and installing plumbing, heating, and electric wiring in same, at Fort Winfield Scott, Cal.

LOS ANGELES, CAL.—The building which will be erected for the California Furniture Co., 639 South Broadway, is being changed and will be a Class A structure. It will have a white enamel brick front and cost $150,000. J. E. CARR will erect the building and R. B. Young, Lankershim Bldg., is Arch.

SAN DIEGO, CAL.—We are officially advised that plans for the 2-story Normal Training School, 136 × 60 ft., at San Diego, have been completed by the State Engineer, who will advertise for bids soon for construction of building. The State Legislature has appropriated $50,000 which is now available.

SALT LAKE CITY, UTAH.—The Covey Investment Co. has taken out a permit for the erection of a 7-story, 177-room brick apartment house, to cost about $80,000.

The Utah Hotel Co. has taken out a permit for the erection of a 10-story, 365-room brick and terra-cotta hotel and store rooms, to be built at Main and South Temple Sts., and to cost $1,200,000.

BOISE, IDAHO.—Bids are asked by the Constructing Q. M., Boise, until 11 a. m., Oct. 2, for constructing, plumbing, hot-air heating and electric wiring of single set hospital corps sergeant's quarters, brick and stone, at Boise Barracks, Idaho.

WINNIPEG, MAN.—The Fort Rouge Methodist Church congregation has decided to erect at once a church with a seating capacity of about 1,000. Rev. [illegible] Irving is Pastor.

The Y. M. C. A. Directors have sold their present building and will erect a structure

Bids for [illegible] will be re-

[illegible]een started [illegible]st side of [illegible]d Madison [illegible] a 6-story [illegible]se Co., to

[illegible]tory brick [illegible]gnard Ave. [illegible] Buildings [illegible] Co. The [illegible] an esti- [illegible] & Thomp- [illegible]pared the [illegible] the con-

[illegible]hmolle is [illegible]ucture on [illegible]00.

[illegible]n Market [illegible] combined [illegible]ommenced [illegible]state. A [illegible]ctors. The [illegible]00. John [illegible]rch. Two [illegible] will occupy [illegible] will face [illegible]27.6 × 76 [illegible] St. The [illegible] the west [illegible] along [illegible] rance will [illegible] ding will [illegible] the build- [illegible] The au- [illegible] stage, in- [illegible]s, will be [illegible] boxes and [illegible] capacity. [illegible] be quite [illegible] with mar- [illegible] ornamental

to cost approximately $400,000. G. F. Stephens is ... Clair, Arch., Nauton Bldg., has completed plans for the Rockery Building on Smith ... to cost $155,000. It will be of brick a... stone 120 × 111 ft., with floors of reinforced concrete.

PRINCE ALBERT, SASK.—The contract for the ... of the new provincial penitentiary ... been awarded to the SASKATCHEWAN BUILDING & CONSTRUCTION C... of Regina, Sask., at $54,000.

WATER SUPPLY—IRRIGATION.

(* denotes *that this work is advertised in Engineering News.*)

AMHERST, Mass.—P. A. BREGLIO, of Springfield, Mass., has been awarded the contract by the Amherst Water Co., for the construction of an earth dam with concrete core wall at $28,206. Bids were opened on Aug. 30. List of bidders noted last week. William Johnson is Engr., 101 Tremont St., Boston, Mass.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 22, by John H. O'Brien, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and erecting two pumping engines, with foundations, steam and auxiliary piping, suction and discharge piping, and all other appurtenances and appliances, complete, in the 98th St. Pumping Station, Boro. of Manhattan.

BUFFALO, N. Y.—Bids for two radial brick chimneys to be erected at the new water works pumping station near the foot of Porter Ave., were opened on Sept. 3, by F. G. Ward, Comr. Pub. Wks., as follows: M. W. Kellogg Co., 50 Church St., New York, $38,648; Alphons Custodis Chimney Construction Co., 99 Nassau St., New York, $43,875; Heine Chimney Co., 115 Adams St., Chicago, Ill., $55,294.

LODI, N. J.—Bids will be received until Sept. 20 by the Mayor and Council for constructing a water supply system, consisting of about 37,300 lin. ft. of 6 and 4-in., and 5,500 lin. ft. 8, 10 and 18-in. c. i. pipe, 87 fire hydrants, 170 gate valves, 50 × 100-ft. 500,000-gallon reinforced concrete covered reservoir, 300-ft. of 12-in. driven well, together with pumping station, pump engines, etc. James H. Fuertes is Consulting Engr., 140 Nassau St., New York.

SPRING CITY, PA.—Bids will be received until Sept. 22 by the Board of Trustees of the Eastern Pennsylvania State Institution for Feeble Minded and Epileptic, care Philip H. Johnson, Arch., 1824 Land Title Bldg., Philadelphia, for constructing a reservoir, excavation, grading and filling, furring brick and plastering for said institution.

SCRANTON, PA.—The EASTERN MFG. CO., Elmira, N. Y., has secured contract, it is reported, for about 30,000 ft. of wood pipe to be used to convey the water supply of the Delaware, Lackawanna & Western R. R. in Scranton and vicinity. Estimated cost, about $65,000.

*BRADFORD, PA.—Specifications are on file at the office of Engineering News, New York, for the enlargement of No. 2 reservoir in Gilbert Brook. Bids are asked until Sept. 20.

*WASHINGTON, D. C.—Bids were received as follows on Sept. 11, by the Commissioners of the District of Columbia, for furnishing curb and corporation cocks: Corporation cocks: H. Mueller Mfg. Co., 254 Canal St., New York, ¾-in., 57.5 cts.; 1-in., 85.25 cts.; 1 in., with guard or goose neck, 60 cts.; 1¼-in., $1.35; 1½, $2.18; curb cocks: H. Mueller Mfg. Co., New York, ¾-in., 98 cts., 1¼-in., $1.66. This was the only bid received.

NORFOLK, VA.—The Finance Committee of the City Councils has recommended the appropriation of $34,780 for new valves, water mains and other improvements on streets soon to be paved, including Colonial, Lake and Redgate Aves., Granby, Botetourt, Wide, Newton, Twelfth, Chapel and Holt Sts., and Corprew Lane.

*CHRISTIANSBURG, VA.—We are officially advised that contracts have been awarded, bids opened on Sept. 8, by the Special Water Commission, for furnishing f. o. b. cars at Christiansburg, about six miles of c.-i. pumping and distributing mains of 10, 8, 6 and 4 ins. and other diameters, with corresponding quantities of special casting and valves, and about 46 fire hydrants, as follows: To the LYNCHBURG FOUNDRY CO., Lynchburg and Radford, Va., 20, 16, 12, 10, 8 and 6-in. c. i. pipe at $24 per net ton; 4-in. c. i. pipe, $25; special castings, 2.6 cts. per lb.; to the RENSSELAER MFG. CO., Troy, N. Y., gate valves, 20 in., $77.10; 16-in., $51.25; 12-in., $26; 10-in., $20.85; 8-in., $14.20; 6-in., $9.50; 4 in., $6; check valves, 20-in., $101.60; 16-in., $58.90; 12-in., $32.15; 10-in., $25.30; 8-in., $15.75; foot valves, 16-in., $91.05; 12-in., $52.50; 10-in., $38.25; 8-in., $20.48; relief valves on 10-in. line, $32.50; on 8-in. line, $23.50; valve boxes and covers, $2.50; Corey fire hydrants, for Jones couplings and with brass caps, $21.35. Howard Murphy, Engr., Christiansburg.

WEST DURHAM, N. C.—The Erwin Cotton Mill has had a survey made for the construction of a water-works system. The plant will have a capacity of 500,000 to 1,000,000 gallons daily and water will be secured from New Hope Creek, five miles from Durham reservoir, 3½ miles distant, from which water will flow into town by gravity.

HARTSELLS, ALA.—This city is considering the construction of a water-works system. J. H. Corbie is Mayor.

BINGHAMTON, TENN.—Philip H. Porter, of Louisville, Ky., has submitted the lowest bid to the Sewer and Water Committee for the construction of the water system here at about $17,000.

COLUMBUS BARRACKS, OHIO.—Bids will be received by Capt. H. J. Hirsch, Q. M., U. S. A., until 10 a. m., Sept. 17, for re-locating certain old hydrants and furnishing and setting four new ones.

MANSFIELD, OHIO.—The Council has passed an ordinance providing for issuing $12,000 of bonds to construct building for pumping station and to lay mains from Hedges Station.

SPRINGFIELD, OHIO.—Bids are asked by the Board of Public Service until Sept. 20 for the construction of a dam.

COLLINGSWOOD, OHIO.—Plans for a municipal water plant, to cost $125,000, were indorsed at a meeting of citizens on Sept. 9. A. D. Rogers of Collingswood is Engr.

JOLIET, ILL.—The Assistant City Engineer has completed plans for the independent water system and the matter will be brought up before the Board of Local Improvements soon. H. A. Stevens is City Engr.

BLOOMINGTON, ILL.—T. H. IGLEHARDT of Chicago, Ill., has been awarded contract by the Board of Local Improvements for laying the 20-in. water main in portions of several streets at $51,500.

CHICAGO, ILL. — The ALLIS-CHALMERS CO., of Milwaukee, Wis., was awarded contract by John T. Hanberg, Comr. Pub. Wks., for the construction of two pumps of 25,000,000 gallons every 24 hrs. at the Roseland pumping station at $258,900.

MADISON, WIS.—C. B. Stewart, Consult. Engr., Madison, has been appointed by the Water Board to make an investigation and report for a general plan of development of the water supply.

GREENFIELD, IOWA.—Bids were opened by Geo. D. Musmaker, Mayor, on Aug. 23, for water-works. Contracts are reported to have been awarded as follows: Steel tower and tank to the TURNER-ROLAND CO., of Des Moines, and pump house and 23,390 ft. of 10, 8, 6 and 4-in. pipe, etc., to T. C. BROOKS & SON CO., of Jackson. Total cost, $21,869. The Iowa Engineering Co., are Engrs., Clinton, Iowa.

SEYMOUR, IOWA.—The citizens have voted in favor of issuing $35,000 of bonds for constructing water-works and sewers.

WAKEENEY, KAN.—Contracts for constructing the water-works have been awarded as follows: T. C. BROOKS & SONS CO., of Jackson, Mich., pipe line; CHICAGO IRON & BRIDGE WORKS, Monadnock Bldg., tank and tower; FAIRBANKS, MORSE & CO., pumping plant. Bids were opened on Sept. 1. George P. Taylor, of Stockton, Kan., is Engr.

CREIGHTON, NEB.—Bids will be received by the City Council until 8 p. m., Sept. 16, for improvements to the water-works system. Will L. Turner is City Clk.

BOTTINEAU, N. DAK.—GILBERT HAGGART, of Fargo, N. Dak., has been awarded contract by the city for constructing the water-works system here, including standpipe, pumping station, water and sewer mains and septic tank at $49,000.

WAGNER, S. DAK.—Bids will be received until Sept. 20, by the City Audr. for constructing approximately 3,000 ft. of 6-in. water mains, with hydrants. H. D. James is Mayor.

MOBERLY, MO.—The city has decided to issue $150,000 water-works bonds. Address the Mayor.

TYLER, TEX.—We are officially advised that J. W. Maxcy & Co., Consult. Engrs., Houston, Tex., have been engaged as designing engineers for the extension and appraisal of the water system here.

TEXARKANA, TEX.—Plans for a new system of water supply are being prepared we are officially advised, by J. W. Maxcy & Co., of Houston, Tex. Estimated cost, $200,000.

STIGLER, OKLA.—The city has voted $75,000 of bonds for the construction of a water-works and sewer system.

KINGSTON, OKLA.—The city has voted $12,500 of bonds for the construction of water-works.

*EAGLE, COLO.—Bids will be received by the Board of Trustees until 7 p. m., Sept. 30, for labor and necessary material, including pipes, castings, hydrants, valves and reinforced concrete distributing reservoir, for the complete construction of a system of gravity water-works for the town. L. R. Thomas is Town Clk.

SPOKANE, WASH.—HUETTER & ZIRNGIBL, of Spokane, secured contract on Aug. 17 for four new standpipes, at $71,223.

*PORTLAND, ORE.—Bids will be received by the Water Board until 10 a. m., Oct. 4, for furnishing materials and labor for the construction of two reservoirs at Mt. Tabor of approximately 125,000,000 gallons total capacity. Frank T. Dodge is Supt.

WESTON, ORE.—A project is under way for the irrigation of 12,000 acres of productive farm land tributary to Weston. Leading Umatilla County capitalists are interested in the enterprise, which has been pronounced feasible in every way by the examining engineers. Outline maps are now being prepared by J. M. Ashworth, of Weston. It is proposed to construct a large storage reservoir on Pine Creek, three miles above Weston, at a point known as Rocky Ford, where the stream flows over bedrock in a narrow channel. The dam will be 200 ft. high, with a core of concrete and sloping walls of earth and rock, approaching at the base a thickness of about 1,000 ft. This will be sufficient to conserve enough water in the flood season to irrigate 18,000 acres during the summer, or 6,000 acres more than the land to be covered by the canals.

ORLAND, CAL.—Bids are asked by the U. S. Reclamation Service, Washington, D. C., until Sept. 25, for the construction of the canals and laterals of the Orland project.

SAN FRANCISCO, CAL.—Contract for 2,378 tons of c. i. specials for the auxiliary fire protection system was awarded on Sept. 3 by the Board of Public Works to CHARLES C. MOORE & CO., 99 First St., San Francisco, at $332,976.

PHOENIX, ARIZ.—The Secretary of the Interior has awarded to the ... CO. of Neponset, Mass., a contract amounting to $21,000 for furnishing two 5-ft. and one 6-ft. gate valves for the power plant under the Salt River irrigation project in Arizona.

PHOENIX, ARIZ.—The Secretary of the Interior has awarded contract to the CHARLES F. ELMES CO., 50 Morgan St., Chicago, Ill., for furnishing three 58-in. balanced valves for use in connection with the discharge pipes in Roosevelt dam, Salt River project, Arizona. The valves are to be shipped in 55, 60, and 70 days. The contract price is $13,890.

EXETER, ONT.—A water-works system will be constructed here. Estimated cost, about $22,000. F. W. Farncomb, of London, Ont., is Engr.-in-Charge. Bids for construction will be asked as soon as plans are ready.

*TORONTO, ONT.—Bids will be received until Oct. 28, extension of date from Oct. 14, for turbine pumps, with valves, piping, bed plates, couplings, etc. For details see advertisement in issue of Aug. 19.

SEWERAGE.

(* *denotes that this work is advertised in Engineering News.*)

ST. ALBANS, VT.—The City Council has awarded contract for constructing a trunk line and cut-off sewer system to E. F. MOORE, of Burlington, at $22,619. Other bids were: W. S. Teachout, Essex Junction, $25,366; Coughlin & Shiels, Boston, $26,175; Frank L. Allen, Worcester, $28,794; Hanson Co., of Boston, $29,854.

WESTBORO, MASS.—About $15,000 will be expended for sewers, probably by day labor. M. H. Walker, of Westboro, is Engr.

BOSTON, MASS.—The COUGHLIN & SHIELS CO., 104 Hanover St., Boston, has been awarded contract by Guy C. Emerson, Supt. of Streets, for constructing a sewer in North Market St., between Commercial St. and Faneuil Hall Sq., at $13,762.

MILFORD, MASS.—All bids were rejected on Sept. 3 by the Sewer Commissioners for constructing 6,000 ft. of sewer pipe. The lowest bidder was James D. Kelley, of Dorchester, at $9,162.

*KINGSTON, N. Y.—Bids will be received until 11 a. m., Sept. 28, by the Board of Water Supply, New York, J. Waldo Smith, Ch. Engr., for Contract 48, for constructing a portion of an intercepting sewer in the city of Kingston, Ulster County. The work consists of laying about 6,200 ft. of tunnel in earth and rock.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Boro. Pres., until 11 a. m., Sept. 22, for furnishing all labor and material required for constructing sewers in 61st St., from Ninth Ave. to the end of the existing sewer, 295 ft. east of Ninth Ave.

Bids are asked until 11 a. m., Sept. 29, by Bird S. Coler, Boro. Pres., for furnishing all the labor and materials required for constructing sewer in Neptune Ave., from West 33d St. to the pump well at Caisson No. 2, near West Twelfth St., together with an intermediate pumping station and appurtenances at the intersection of Neptune Ave. and West 29th St.

NEW YORK, N. Y.—Bids were received as follows by the Borough President on Sept. 7 for constructing an outlet sewer and appurtenances in White Plains Road, between East River and 152d St., in East 152d St. between White Plains Road, in avenues between East 152d St. and Lafayette Ave., East 156th St., between Ave. B and Ave. A.: Wakefield Construction Co., 39 East 222d St., New York, $671,717; C. W. Collins, $734,594; J. H. Holmes, $749,888; McDonald & Barry, $725,600; J. C. Rodgers, $764,500; F. V. Smith, $769,200; Rodgers & Haggerty, $679,000.

WAVERLY, N. Y.—Williams, Proctor & Potts, Consulting Engrs., 17 Battery Pl., New York, have completed plans for sewage disposal plant and sewer system. Estimated cost, $150,000. Project to be voted on by taxpayers this month.

*SYRACUSE, N. Y.—Contract No. 8, which calls for completion of contract for improvement of Onondaga Creek in Syracuse, has been awarded by the Intercepting Sewer Board to N. D. POUND, Chicago, Ill., at $226,491. Bids were opened on Aug. 25. List of bidders noted on Sept. 2.

NORTH TONAWANDA, N. Y.—Bids are asked by T. H. Vickers, Clk. Bd. Pub. Wks., until 8 p. m., Sept. 20, for laying a sewer pipe line.

BUFFALO, N. Y.—Bids for the construction of a sewer in Montrose Ave. and another in Oak Grove Ave. were opened by F. G. Ward, Comr. Pub. Wks., on Sept. 8. W. G. Smith was the low bidder at $12,900 for the Montrose Ave. sewer and Spiess & Fahning for the Oak Grove Ave. sewer.

WEST ORANGE, N. J.—Bids are asked until 8 p. m., Sept. 21, by the Town Council, for the construction of a storm drainage along Franklin Ave. Joseph McDonough is Town Clk.

*BLOOMMIELD, N. J.—Bids are asked by Raymond F. Davis, Town Clk., until 8 p. m., Sept. 21, for the construction of sanitary sewers in several streets. For details see advertisement in this issue.

CAMDEN, N. J.—Bids are asked by Edward Francis, Chn. Com. on Streets, until 8 p. m., Sept. 21, for constructing sewers in and along various streets.

NORRISTOWN, PA.—Bids will be received by Charles C. Rambo, Chn. Sewer Com., or S. Cameron Corson, Boro. Engr., until 8 p. m., Sept. 29, for the construction of an 8-in. vitrified pipe sanitary sewer and appurtenances in Cherry St., between Allebaugh Alley, and in other streets.

DUNMORE, PA.—Contracts for sewers were awarded by the Council on Sept. 7 as follows: For Section A, third sewer district, to ANTONIO FREDA, at $29,912; for fourth sewer district, to SUMMA & FONTESERO, at $7,816.

*BALTIMORE, MD.—We are officially advised that bids were received as follows by the Sewerage Commission on Sept. 1 for sewer work: For Sanitary Contract No. 40, Forest Park sewage disposal works, time considered at $15 per day. The work includes: 5,000 cu. yds. earth excavation, 65 cu. yds. rock excavation, 800 cu. yds. rolled embankment, 1,350 lin. ft. vitrified-pipe drains and conduits 4-in. to 18-in. diameter, 15,330 lin. ft. slotted vitrified-tile slabs, 950 cu. yds. concrete, 50,000 lbs. reinforcing steel, 3,500 sq. ft. reinforcing wire fabric, 31 sluice gates and gate valves, 2-in. to 18-in. diameter, 10 tons c.-i. flanged pipe and specials, 4,000 cu. yds. filter stone: Lane Bros. Co. & Jones, Baltimore, $30,818, 160 days; United Engineering & Construction Co., Baltimore, $31,747, 100 days; David Peoples, Baltimore, $32,441, 60 days; C. B. Clark & Co., Baltimore, $33,173, 100 days; Tiffany & Gail, Buffalo, N. Y., $33,812, 170 days; the Pitt Construction Co., Inc., Fulton Bldg., Pittsburg, Pa., $35,656, 120 days; M. O'Herron & Co., South First and McKean Sts., Pittsburg, $37,549, 125 days.

Sanitary Contract No. 41, trunk sewers, District No. 48, time considered at $50 per day. The work includes: 21,000 cu. yds. earth excavation in trench, 7,000 cu. yds. rock excavation in trench, 750 cu. yds. excavation in tunnel, 22,750 lin. ft. vitrified-pipe sewer 10-in. to 24-in. diameter, 1,700 cu. yds. embankment, 8,000 lin. ft. underdrain, 37 drop connections on sewers 8-in. to 15-in. diameter, 735 "Y" branches, 85 manholes: M. O'Herron & Co., Pittsburg, $78,851 (bid informal, net working days omitted); T. Wallace Reilly, Baltimore, $80,606, 140 days; Lane Bros. Co. & Jones, Baltimore, $82,297, 200 days; James Ferry & Sons, Baltimore, $89,989, 140 days; M. A. Talbott Co., Baltimore, $99,269, 150 days; David Peoples, Baltimore, $106,665, 300 days.

Sanitary Contract No. 42, Jones Falls interceptor, Section No. 1, time considered at $20 per day. The work includes: 2,615 cu. yds. excavation (earth) in trench, 950 cu. yds. rock excavation in trench, 600 cu. yds. earth excavation in tunnel, 1,550 cu. yds. rock excavation in tunnel, reconstructing 140 lin. ft. of old 48-in. storm-water drain, 1,350 cu. yds. concrete masonry, 200 cu. yds. brick masonry, 12,000 lbs. structural steel, 1,600 lin. ft. underdrain, seven drop connections for 8-in. sewers, four manholes: M. A. Talbott Co., Baltimore, $43,925, 75 days; C. B. Clark & Co., Baltimore, $43,747, 140 days; David V. Ault, Baltimore, $53,384, 80 days; M. O'Herron & Co., Pittsburg, $57,484, 150 days; Metropolitan Contracting Co., Baltimore, $59,915, 150 days; Ryan & Reilly, Baltimore, $69,139, 175 days.

Sanitary Contract No. 43, lateral sewers, District No. 29, time considered at $25 per day. The work includes: 43,150 lin. ft. vitrified-pipe sewer 8-in. to 15-in. diameter, 2,500 lin. ft. underdrain, 10 drop connections on 8-in. and 12-in. sewers, 24,800 lin. ft. house connections, 2,725 "Y" branches, 500 lin. ft. of 6-in. and 8-in. vitrified-pipe standpipes, 250 manholes: William McCarthy & Co., Pittsburg, Pa., $69,459, 100 days; James Ferry & Sons, Baltimore, $77,512, 110 days; M. A. Talbott Co., Baltimore, $81,824, 125 days; T. Wallace Reilly, Baltimore, $85,042, 120 days; David V. Ault, Baltimore, $87,468, 70 days; Ryan & Reilly, Baltimore, $86,385, 125 days.

Storm-water Contract No. 8, time considered at $25 per day. The work includes: 2,230 lin. ft. 15-in., 18-in. and 24-in. vitrified-pipe drains, 350 lin. ft. 12-in. and 15-in. inlet connections, 40 cu. yds. concrete, 12 cu. yds. brick masonry, 10 cu. yds. rock excavation, 10 manholes, three inlets: M. O'Herron & Co., Pittsburg, $5,117, 20 days; M. A. Talbott Co., Baltimore, $5,310, 25 days; James Ferry & Sons, Baltimore, $6,096, 40 days; David Peoples, Baltimore, $5,981, 60 days; W. A. & C. F. Thompson, Baltimore, $7,585, 45 days.

WASHINGTON, D. C.—Bids will be received until noon, Sept. 27, by the Commissioners District of Columbia for constructing sewers in the district.

ROANOKE, VA.—Bids are asked until noon, Sept. 25, by W. L. Craft, City Clk., for the construction of two sewers.

CHARLESTON, S. C.—Bids will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 a. m., Oct. 2, for constructing a tile sewer at the navy yard, Charleston. Specifications are on file at the office of Engineering News, New York. William H. Smith is Acting Ch. Bureau.

NAPOLEON, OHIO.—Bids will be received by the Village Council until noon, Sept. 17, for constructing a sanitary sewer in Perry St., between Railroad and LaGrange Sts. C. E. Rafferty is Village Clk.

GIRARD, OHIO.—CHARLES L. ALLEN, of Marion, Ohio, was awarded contract at Girard, on Sept. 3 by the city for a large sanitary sewer at about $10,000.

EVANSVILLE, IND.—W. F. Wunderlick, City Clk., is asking for bids for the construction of a sewer in alley between Michigan and Virginia Sts.

SOUTH BEND, IND.—The Board of Public Works is asking for bids for the construction of local sewers in Pine St., in Jaquith Court, in North Eddy St., College St. and in Garfield Court.

JOLIET, ILL.—Bids will be received by the Board of Local Improvements until 10 a. m., Sept. 20, for constructing a sewer in Catalpa St. William S. Welch is Clk.

PORTAGE, WIS.—Bids were received as follows by the City Clerk on Sept. 1 for the construction of a sanitary system of sewers, consisting of 66,574 ft. vitrified pipe, 96 concrete manholes, 50 lampholes, inverted siphon and disposal plant: Blake Bros.,

Madison, Wis., $79,800; Robert Nelson, Racine, Wis., $56,036; J. Rasmussen & Son, Oshkosh, Wis., $54,700; Pastrile-Lawrence Co., Chicago, Ill., $62,000; F. E. Kaminski, $58,534; P. R. Harding & Co., Racine, $55,-981; C. S. Crilley, Milwaukee, $55,418; D. J. Christopher, Chicago, Ill., $48,286; Dan Curtin & Co., Madison, Wis., $59,757.

OSHKOSH, WIS.—Bids are asked until 2 p. m., Sept. 20, by the Board of Public Works, for the construction of a sewer in River St., from Bowen St. southeast to Summitt.

CLINTON, IOWA.—Bids will be received until Sept. 21 by the City Council for constructing sewers in Fourth Ave. and an alley.

ROGERS, ARK.—WILLIAM RILEY CONSTRUCTION CO., of St. Louis, Mo., has secured contract for constructing sewers from plans of M. A. Earl & Co., of Muskogee, Okla., at $23,084. Bids were opened on Sept. 1.

DENVER, COLO.—GAFFY & KEEFE, Exchange Bldg., Denver, were awarded contract on Sept. 2 by the Board of Public Works for the construction of the West Denver storm sewer No. 1 at $66,910.

CHEHALIS, WASH.—The City Council has passed a resolution providing for the construction of sewers, and a drainage district, in the south end of the city. Estimated cost, $55,000.

PORTERVILLE, CAL.—Bids will be received until Sept. 29 by T. A. Harreth, City Clk., for constructing a main trunk line sewer. Estimated cost, about $35,000. William B. Phillips is City Engr.

ANAHEIM, CAL.—The Board of City Trustees is considering plans for the constructing of a sewer system. Nothing further has been done in the matter. Edward B. Merrell is City Clk.

OAKLAND, CAL.—Four bids were received by the Board of Public Works on Aug. 25 for the construction of a concrete sewer in Washington St., between First and Eighth Sts. The bids were: Murphy & Co., $10,-322; C. D. Vincent, Oakland, $12,885; John Geary, $10,235; John Heafy, $11,411.

CALDWELL, IDAHO.—Harold Williams, of Caldwell, has been retained as engineer for the proposed sewer system in Washington Heights. Estimated cost, $75,000. C. J. Short is City Clk.

MONTREAL, QUE.—Bids are asked until noon, Sept. 23, by John R. Barlow, City Surv., for the construction of a 2-ft. × 3-ft. brick sewer in a portion of Eighth Ave.

GARBAGE DISPOSAL.

(denotes that this work is advertised in Engineering News.)*

*FORT TERRY, N. Y.—Bids for constructing a garbage crematory complete at Fort Terry will be received by the Constructing Q. M., U. S. A., New London, Conn., until 10 a. m., Oct. 8. Plans may be seen in office of Chief Quartermaster, Dept. of the East, Governors Island, N. Y., or in New London.

NEW YORK, N. Y.—Bids are asked by William H. Edwards, Comr. St. Cleaning, until noon, Sept. 23, for furnishing all the labor and materials required for the removal of snow and ice in the Boroughs of Manhattan, The Bronx and Brooklyn.

STREETS AND ROADS.

(denotes that this work is advertised in Engineering News.)*

PORTLAND, ME.—The following bids were received on Aug. 30 by Commissioners of Public Works, for constructing a section of State Road from Bowdoin to Congress Sts., on Vaughan St.: New England Paving & Construction Co., $8,436; Angelo Lorello, $10,415, and John W. Gulliver, $11,500.

NORTHUMBERLAND, N. H.—Bids are asked by A. W. Dean, State Engr., Concord, N. H., until 5 p. m., Sept. 24, for constructing a gravel road to cost $3,400.

HARTFORD, CONN.—Bids will be received at the office of the State Highway Commissioner, Capitol, until 2 p. m., Sept. 18, for state road work as follows: Town of Litchfield, 6,115 lin. ft. grav.-tel. road, including five 18-in., one 12-in., one 20-in., and two 24-in. tile culvs., and two reinforced concrete arch culvs. Town of New Hartford, 12,907 lin. ft. mac. road, including one 18-in. five 15-in., one 12-in. and four 24-in. tile culvs. and one reinforced concrete arch culv. Plans for 12,500 lin. ft. of state road work on the Bridgeport and Newtown turnpike in the town of Monroe, have been received from McElroy & Kershaw, Engrs., Bridgeport, Conn.

HARTFORD, CONN.—Contracts for the construction of state road work, bids for which were received at the office of the State Highway Commissioner, Sept. 8, have been awarded as follows:

Town of Waterford, 13,032 lin. ft. mac.-tel. road, 14 ft. wide, including a concrete arch culvert, to C. W. BLAKESLEE & SONS, New Haven, Conn., $1.83 per lin. ft. for mac., $2.68 for tel., 50 cts. per sq. yd. for cob, gutters, 31 cts. per lin. ft. for railing. Other bidders were F. Arrigoni & Bro., Durham, Conn., $2, $2.30, 60 cts., 50 cts.; H. H. Morgan, New London, Conn., $2.43, $3.08, 20 cts. 30 cts.; Bryan F. Mahan New London, Conn., $3, $3.60, 60 cts., 50 cts.; Lane Construction Corporation, Meriden, Conn., $2.08, $2.50, 60 cts. 45 cts.; B. D. Pierce, Jr., Co., Bridgeport, Conn., $2.27, $2.87, 65 cts., 65 cts.

Town of Montville 26,212 lin. ft. mac.-tel., including two 12-in. tile culv., to B. D. PIERCE, JR., CO., Bridgeport, Conn., $1.48 for mac., $2.05 for tel., 65 cts. per sq. yd. for cobble gutters, and $4.75 per cu. yd. for retaining wall. Other bidders were, F. Arrigoni & Bro., Durham, $1.80, $2.30, 60 cts., $5; C. W. Blakeslee & Sons, New Haven, $1.68, $2.51, 50 cts., $6; Bryan F. Mahan, New London, $1,60, $2.20, 60 cts.; Lane Construction Corporation, Meriden, $1.74, $2.34, 60 cts., $5.

Town of Hawinton, two secs. grav.-tel. road, including two 20-in. and one 24-in. tile culv., to JOSEPH MASCETTI, Torrington, Conn., $1,850: Other bidders were: J. de Michael & Bro., Torrington, $3,090; A. Brazos & Sons, Middletown, Conn., $7,000; Goodman & Trumbull, Litchfield, Conn., $2,691. Sec. 3, 1,800 lin. ft. grav.-tel., including a concrete arch culvert and one 20-in., two 24-in. and one 12-in. tile culv., to Joseph Mascetti, $1.52 for grav., $2.10 for tel., 40 cts. per sq. yd. for cob. gutters. Other bidders were: J. de Michaels & Bro., $1.63, $2.48, 30 cts.; A. Brazos & Sons, $5.25, $5.75, 60 cts.; Goodman & Trumbull, $2.35 for grav. 45 cts. for cob. gutters.

Town of Thomaston, 6,250 lin. ft. mac.-tel., including one 30-in., eight 15-in., and two 12-in., tile culverts: (a) native macadam, (b) native telford, (c) all trap macadam, (d) all trap telford, (e) cob. gutters, (f) ret. wall, (g) railing. To EDWARD McMANUS, Waterbury, Conn., (a) $3.53, (b) $4.57½, (c) $3.67½, (d) $4.67½, (e) 60 cts., (f) $5, (g) 40 cts. Other bidders were: Joseph Mascetti, Torrington, (a) $3.60, (b) $4, (c) $3.90, (d) $4.40, (e) 60 cts., (f) $4, (g) 40 cts.; A. Brazos & Sons, Middletown, Conn., (a) $7.40, (b) $7.90, (e) 60 cts., (f) $6, (g) 55 cts.; Lane Construction Corporation, Meriden, (a) $3.88, (b) $4.28, (c) $3.98, (d) $4.28, (e) 60 cts., (f) $5, (g) 45 cts.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Sept. 22, for regulating and paving with asphalt pavement on a concrete foundation the roadways of various streets in Brooklyn.

Bids are asked by John F. Ahearn, Pres. Boro. of Manhattan, until 2 p. m., Sept. 20: No. 1, for regulating and repaving with asphalt block pavement on concrete foundation the roadways of various streets in Manhattan.

Bids are asked until 3 p. m., Sept. 23, by the Park Board, Henry Smith, Pres., for furnishing and delivering Roa Hook gravel or gravel of equal quality on parks and parkways, Boro. of Manhattan.

Bids are asked by George Cromwell, Pres. Boro. of Richmond, until noon, Sept. 21, for furnishing and delivering broken stone, Boro. of Richmond.

The following bids were received by the President of the Boro. of The Bronx on Sept. 7, for paving with asphalt blocks on a concrete foundation the roadway of Jennings St., from Stebbing Ave. to West Farms road, and setting curb where necessary: Hastings Pavement Co., 25 Broad St., $26,116; Barber Asphalt Paving Co., 30 Church St., $26,129. Also for regulating, grading, setting curbstones, flagging the sidewalks, laying crosswalks, building approaches and placing fences on Gun Hill Road, from Jerome Ave. to Mosholu Parkway: J. B. Malatesta, 3169 Jerome Ave., Bronx, $9,946; F. C. Palmer, $16,984. B. C. Marsh, $17,021; Wakefield Const. Co., 39 East 222d St., Bronx, $12,-292; Perrilee & Shiel, $13,573.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Sept. 29, for regulating and repaving with asphalt block pavement on a concrete foundation the roadways of various streets in Brooklyn.

SOLVAY, N. Y.—The Village Board on Sept. 2 received bids as follows for paving about five miles of streets here: ONONDAGA LITHOLITE CO., $130,013 (awarded contract); Gaffey & Byrne, $136,386; Richards & Sons, $151,069; Bonn, Thomas & Hookway, $157,725.

SCHENECTADY, N. Y.—The UNION PAVING CO., has secured the contract for paving Van Guysling Ave., at $5,021.

HORNELL, N. Y.—The contract for paving Center St. and portions of Hornell and Canisteo Sts., with vitrified brick, in all 10,013 sq. yds., has been awarded to McGREEVY, McGUIGAN & BAUM CONSTRUCTING CO., Robinson Bldg., Elmira, N. Y., at a total of $20,326. A. F. Bannon, Jr., is Supt. Pub. Wks.

SYRACUSE, N. Y.—The Bd. of Contract and Supply has awarded contracts for paving as follows: Grace St. to WARNER-QUINLAN ASPHALT CO., at $17,576, and McBride St. to F. J. BAKER, at $10,971.

*MOUNT KISCO, N. Y.—Bids are asked by F. J. Carpenter, Village Clerk, until 8 p. m., Oct. 4, for macadamizing Main St., from Maple Ave. to Sands St., and grading Manchester Terrace, from Main St. to a point 475 ft. south. Edmund P. Sanger is Engr., Mount Kisco.

PATERSON, N. J.—Bids will be received until Sept. 29 by the Road Commissioner of the Board of Freeholders at Paterson, for macadamizing a portion of Union Ave. Winfield S. Cox is Chn.

FORT HANCOCK, N. J.—Bids will be received by Lieut. C. J. Goodier, Constr. Q. M., U. S. A., Ft. Hancock, until Sept. 27, for constructing concrete walks at this post.

HOBOKEN, N. J.—Bids will be received until 4 p. m., Sept. 22 by James H. Londrigan, City Clk., for paving with wood block on a concrete base, First St., also around City Hall and Schools Nos. 7 and 8 also with brick on a concrete base, Castle Point Terrace.

*BAYONNE, N. J.—Bids are asked by the City Council until 8 p. m., Sept. 21, for the improvement of 25th St., from Broadway to Newark Bay. There will be required about 8,900 sq. yds. of brick paving.

CORBETT, PA.—Bids will be received until Oct. 6 by W. H. Jantzer, Village Clk., for grading, curbing and paving Ransom Ave., Yale and Sunset Sts. Courtney Engineering Co., 407 American Trust. Bldg., Cleveland, are Engrs.

FORT HOWARD, MD.—Bids were received at the office of the Constructing Q. M., Baltimore, for construction of about 15,000 sq. ft. of granolithic sidewalks at Fort Howard. The contract has been awarded to the McCAY ENGINEERING CO., 9 East Lexington St.

BALTIMORE, MD.—Board of Awards has awarded contract to P. FLANIGAN & SONS, Lexington and Calvert Sts., Baltimore, at $2.05 per sq. yd, to pave Penhurst Ave., between Garrison Ave. and the western city limits, with vitrified brick.

The Maryland Geological Survey has awarded contract at $19,842 to PATRICK REDDINGTON & SONS, 321 St. Paul St., to pave Columbia Ave. with vitrified brick, with granite blocks between car tracks; at $22,-63,043 to M. A. TALBOTT CO., American Bldg., Washington Road, with tarred macadam.

NEWPORT NEWS, VA.—The city has awarded a contract to R. H. RICHARDSON & SON, of Hampton, Va., for street paving to cost $100,000.

CHARLESTON, S. C.—SAMUEL G. WOODS has secured the contract for constructing the first five miles of the macadam road, between Yanceville, N. C., and Danville, in all a distance of 15 miles. Cost, $55,000.

WASHINGTON, GA.—The city has awarded contract to the GEORGIA CREOSOTING CO., of Ficklin, Ga. (general office, 25 Hucker St., Trenton, N. J.), to pave Main St. with about 800 sq. yds. of cresoted blocks. There will be 1,000 lin. ft. of granite curbing and about same of surface sewer.

BIRMINGHAM, ALA.—Street Committee has instructed Maury Nicholson, City Engr. to draw an ordinance to provide for paving and grading portions of First Ave. and for grading and improving 32d St.

MERIDIAN, MISS.—Bids are asked by C. W. O'Leary, City Clerk, until Sept. 30, to grade, pave, drain and curb a number of streets, including 35th Ave. and 14th St.

NEW ORLEANS, LA.—Finance Committee has awarded contract to the METROPOLITAN CONSTRUCTION CO., of New Orleans, at $210,992.30 to pave City Park Ave. The contract does not include construction of bridge over Orleans Canal, separate bids for which will be received.

CLEVELAND, OHIO. — See item under Bridges.

CADIZ, OHIO.—We are officially advised that contract was awarded on Sept. 9 to J. P. WARNICK, of Cadiz, Ohio, on his bid of $9,540 for improving Tappan Road, Harrison County, using water bound macadam, by the State Highway Commissioner.

ZANESVILLE, OHIO.—Bids were received by the Commissioners of Muskingum County Sept. 7, for paving 1.30 miles of road in Wayne Township. The contract has been let to PETIT & ABELE, of Zanesville, at $14,300, for rolled stone on gravel foundation, using Townsend brick. James C. Wonders is State Highway Comr., Columbus.

CAMBRIDGE, OHIO.—Bids were received at the office of Commissioners of Guernsey County, Ohio, on Sept. 8 for improving State Highways B and C, Quaker City, and Salesville Road, and the Cambridge and Byesville Road. The bids were rejected and will be readvertised for as soon as possible.

The contract for improving State Highway D, Coshocton Road has been awarded to TURNER & LUCE, of Newcomerstown, Ohio, at their bid of $7,605, for brick road and water bound macadam, by the State Highway Commissioner.

AKRON, OHIO.—We are officially advised that on Sept. 2 bids were received by James C. Wonders, State Highway Comr., at the office of the County Commissioners, in Summit County, Ohio, for work as follows: McAlonan Bros., Akron, Ohio, water bound macadam, $19,976; taroid, $21,289; Kentucky rock asphalt, $25,561; Tarvia X, $21,330. Bluffton Stone Co., Lima, Ohio, water bound macadam, $15,990; macadam Tarvia X, $21,-490. F. M. WISE, Macedonia, Ohio (awarded contract for Tarvia X), water bound macadam, $13,580; Tarvia X, $16,800; liquid asphalt (90% to 95%), $16,800. Chinnock Bros., Warren, Ohio, water bound macadam, Bluffton stone, $17,080; Carrey stone, $16,-280; Bessemer stone, $17,690. Carroll & Gruber, Caledonia, Ohio, water bound macadam, $16,668; Indian Refining Co. (60% to 75%), $16,778; same (90% to 95%), $16,880; Tarvia X, $17,200. Waldeck & Ready, Warren, Ohio, water bound macadam, $16,886; macadam Tarvia X, $17,112.

COLUMBUS, OHIO.—The directors of Public Service, on Sept. 5, awarded contracts for the paving of seven streets and six sewers, aggregating $77,121. The paving contracts aggregate $69,309, and those for sewers, $7,812. The awards for paving were: Belvidere Ave., Broad to Sullivant Sts., W. H. LUCHTENBERG, $21,830; Indianola Ave., Maynard to Hudson, W. H. LUCHTENBERG, $11,465; Wheatland Ave., Broad to Steel, W. H. LUCHTENBERG, $10,201; Whitehorne Ave., Ong to Sullivant, W. H. LUCHTENBERG, $12,547; Second Alley, west of Miller Ave., Fair to Bryden Road, M. E. BARTHMAN, $4,073; Grant Ave., Naghten to Mt. Vernon, A. G. PUGH, $1,679; Bilber Ave. Front to Dennison, M. J. BURNS, $7,514.

INDIANAPOLIS, IND.—See item under Buildings.

INDIANAPOLIS, IND.—The Board of Public Works has adopted resolutions for the improvement of a number of streets, the estimated cost aggregating $60,000. Bids will be solicited as soon as plans can be made.

ELWOOD, IND.—The City Council will ask for bids soon for grading and graveling 13 streets under the three-mile gravel road law.

NEWPORT, IND.—Bids will be received by the Commissioners of Vermillion County until 10 a. m., Oct. 4, for the construction of three gravel roads. H. T. Payne is County Audr.

WILLIAMSPORT, IND.—Bids are asked by the Commissioners of Warren county until 1 p. m., Oct. 4, for construction of 10,705 ft. of gravel road in Pike T... L. Winks is County Audr.

DELPHI, IND.—Bids are ... Commissioners of Carroll C... Oct. 4, for construction ... gravel roads. The Hardy-... Washington Township and ... road in Carrollton Township ... is County Audr.

TERRE HAUTE, IND.—Bi... the Commissioners of Vigo ... a. m., on Sept. 25, for the ... stone roads, in Fayette To... lows: The Strole Road, 5,28... the Rhyan Road, 2,657 ft. in ... Hutchinson Road, about one ... Nathan G. Wallace is Coun...

HIGHLAND PARK, MICH... Council has awarded the cont... Woodward Ave. to the CE... LITHIC CO., at $115,670.

MARSHALL, ILL.—Bids are ... Board of Local Improvements ... Sept. 28, for 13,648 sq. yds. of ... paving, including combined cu... and sewer laterals. Estimated ... W. R. Paige, Arcade Bldg., ... Ind., is Consult. Engr.

CHICAGO, ILL.—Bids will ... Sept. 18 by John J. Hamberg, ... Wks., for paving with No. 2 ... on portion of Blue Island Ave. ...

PEORIA, ILL.—The City Engi... timated the cost of resurfacing ... follows: Hamilton St., $16,813; ... $17,744; Jefferson Ave., $42,454.

MADISON, ILL.—A. W. EISENMAYER, of Granite City, Ill., has secured the contract for paving Madison Ave., at $8...

APPLETON, WIS.—The following bids have been received for paving Prospect and Second Sts., (a) with brick, (b) creosoted block, and (c) concrete. Batchelor & Powell, of La Crosse, Wis., (a) $2.25, (b) $2.98, and (c) $2. Hackworthing Construction Co., of Appleton, (a) $2.23, (b) $2.70, and (c) $1.75, and Kuneppel & Bartz, of Appleton, (a) $2.20, (b) $2.70, and (c) $1.70.

Bids are asked by the Board of Public Works, until 2 p. m., Oct. 4, for the following proposed street improvements and paving with concrete pavement: Market St. in the Second Ward of the city of Appleton, Wis., from the east line of Oneida St. to the west line of Morrison St. E. L. Williams is City Clerk.

CRESTON, IOWA.—Bids will be received by the City Council until Sept. 20 for paving, curbing, and otherwise improving two streets. J. F. Golden is City Clk.

BENSON, NEB.—The contract for paving Military Ave., has been awarded to the WILLIAM FITCH CONSTRUCTION CO., of Benson, at $16,000. Edward A. Steiger is City Clk.

KANSAS CITY, MO.—The County Court, on Aug. 31, awarded the contract for macadamizing 3½ miles of Blue Ridge Road to JOSEPH J. RANDALL of Independence, Mo., at $18,153.

TEXARKANA, TEX.—Bids are asked by A. B. De Loach, Mayor, until noon, Oct. 7, for constructing roads and bridges in Road District No. 1, Bowie County. The J. W. Maxey Co., Houston, Tex., are Engrs.; Joe Hughes, New Boston, Tex., is County Judge.

BROWNWOOD, TEX.—We are officially advised that the J. W. Maxey Co., of Houston, Tex., has been engaged as engineers for roads and bridges in Brown County. Estimated cost, $100,000.

OKLAHOMA CITY, OKLA.—It is stated that the city has awarded seven paving contracts to the BARBER ASPHALT PAVING CO. at $216,526, and eight contracts to McGOVERN PAVING CO. at $70,723, both of Oklahoma City.

SPOKANE, WASH.—Bids are asked by the State Highway Board, Olympia, Wash., until 2 p. m., Sept. 27, for grading, draining and macadamizing State Aid Road No. 50, known as the Regal Road, in Spokane County. Henry L. Bowlby is Secy. Bd.

The City Council is stated to have decided to pave the following streets: Division St. with tropoid; Washington St., Fifth Ave. and Tenth Ave. with oil macadam. Estimated cost, $73,600.

J. A. Clark has submitted a bid at $30,000 to the Board of Public Works for paving with brick or asphalt a portion of North Howard St.

FORT WORDEN (Port Townsend post-office), WASH.—Bids are asked by Capt. E. C. Long, Constr. Q. M., Arcade Annex, Seattle, Wash., until 11 a. m., Oct. 4, for concrete walks, carriage blocks and drains at Fort Worden.

WOODBURN, ORE.—It is proposed to pave Front St. with bitulithic and concrete curb, to cost about $32,000. Contract will be let in about 60 days. W. J. Knox is City Engr.

SAN DIEGO, CAL.—Bids are asked until 10 a. m., Sept. 20, by the Supervisors for the purchase of the $1,250,000 issue of good roads bonds.

MERCED, CAL.—The Highway Commissioners have submitted a report recommending the issuance of county bonds to the amount of $745,000 for the improvement or construction of 242 miles of highways.

OGDEN, UTAH.—Bids are asked until 8 p. m., Sept. 20, by the City Recorder, for building sidewalks in Sidewalk District No. 100, under plans and specifications prepared by A. F. Parker, City Engr., and approved by the City Council.

SALT LAKE CITY, UTAH.—Bids will be received until Sept. 24 by the Bd. Pub. Wks. for grading, curbing and paving Third West St. H. C. McMillan is Chn.; Lewis C. Kelsey, City Engr.

DOUGLAS (Salt Lake City post-office), UTAH.—Bids will be received until 10 a. m., Sept. 26 by Lieut. Kenneth P. Williams, Constr. Q. M., U. S. A., for constructing roads, sidewalks, etc., at this post.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

EAST WATERTOWN, MASS.—The Hood Rubber Co. have placed contract for their new building at East Watertown with the ABERTHAW CONSTRUCTING CO., Boston. It is to be built of reinforced concrete, 96 × 80 ft., three stories high. Provision is to be made for future additional stories.

NEW BRITAIN, CONN.—Contract for constructing a 4-story brick factory has been awarded by the Corbin Screw Corporation to the B. H. HIBBARD CO., of this city.

HARTFORD, CONN.—The Yankee Wood-Turning Co., of Huntington, has filed a certificate of incorporation. It has a capital stock of $10,000. The incorporators are: Edward A. Harriman, of New Haven, Alfred C. Baldwin, of Huntington, and Harold E. Drew, of Ansonia.

The Safety Switch & Signal Co., of Westport, has filed a certificate of incorporation. It has a capital stock of $50,000. The incorporators are: F. M. Raymond, of Westport; M. E. Brown, of Norwalk; J. W. Putnam, of East Orange, N. J.; M. C. Kellogg, of Mt. Vernon, N. Y., and J. B. Hurlbutt, of Norwalk.

BRIDGEPORT, CONN.—The Bullard Machine Tool Co. has awarded contract to the CONCRETE BLOCK & CONSTRUCTION CO., of this city, for a large addition to its plant in the South End.

ALBANY, N. Y.—The Reliance Dyeing & Finishing Co., New York, has been incorporated with a capital of $10,000 to engage in the dyeing, bleaching and finishing of textile fabrics. Andrew Lebert, New York; John O. Berger, Brooklyn, and Charles A. Riehl, are the incorporators.

GLOVERSVILLE, N. Y.—The HENNEBIQUE CONSTRUCTION CO., 1170 Broadway, New York, has received contract for remodeling the old plant of Louis Meyer's Son, glove manufacturers, of 110 Fifth Ave., New York, at Gloversville. Estimated cost, $50,000. F. L. Comstock, of Gloversville, prepared the plans. The building will be of reinforced concrete, four stories, 40 × 70 ft.

NEW YORK, N. Y.—James M. Horton, 213 East 24th St., has awarded to CHRISTOPHER CAMPBELL, of 10 East 33d St., the mason contract for the new 6-story fireproof steel, brick and concrete ice cream plant, 97 × 98 ft., to be erected at Nos. 209-211 East 24th St., from plans by Frank Goodwillie, Arch., 1170 Broadway.

NEW YORK, N. Y.—The following bids were received by the Trustees of Bellevue and Allied Hospitals, New York, on Sept. 7 for labor and materials required for laundry building including the plumbing, heating, electric and refrigerating work of the New Bellevue Hospital, situated on First Ave. and bounded by 26th and 29th Sts., Boro. of Manhattan, City of New York: J. J. Parker Co., 150 Greenwich St., $445,750; George Hilderbrand, 38 Park Row, $516,800; Thomas McKeown, $487,000; J. F. Walsh Construction Co., $480,000; P. T. Nesbit Co., 115 Nassau St., New York, $465,400; Clark & Stone, $467,000; J. Kennedy Co., $502,000; J. Benedette, $515,594; Luke A. Burke, $474,750; Charles H. Peckworth, 415 Hudson St., New York, $512,300; P. J. Caplin Construction Co., $456,700; Charles S. Meades Co., $461,600.

BUFFALO, N. Y.—The Lumen Bearing Co., 1155 Sycamore St., has let general contract to CHARLES BERRICKS SONS, 1151 Main St., for 1 and 2-story foundry building, 60 × 187 ft., addition to its plant at Sycamore St. and New York Central R. R. Belt Line; steel and concrete work to BUFFALO EXPANDED METAL CO., 300 D. S. Morgan Bldg. C. H. Beerbaum, 1142 Prudential Bldg., is Arch. and Engr.

G. Morton Wolfe, Arch., 638 Ellicott Sq. Bldg., is preparing plans for 2-story warehouse, 50 × 150 ft., brick, mill construction, to be erected by the Buffalo Weaving & Belting Co., John C. Chase, Pres., Chandler St. and New York Central R. R. Belt Line. Architect will receive bids about Sept. 20.

NIAGARA FALLS, N. Y.—The Niagara Pulp Board Co. is having plans prepared and will soon receive bids for fireproof pulp board mill, one story. Cost, $25,000. To be erected in replacement of mill recently destroyed by fire.

The Defiance Wall Paper Co. has secured site adjacent to the power-house of the Hydraulic Power & Mfg. Co., and is having plans prepared for complete plant for manufacture of wall papers, which it will at once erect.

NEWARK, N. J.—Estimates have been received by Frederick A. Phelps, Arch., for the reconstruction of the storage warehouse of Wilkinson, Gaddis & Co., in Tichenor Lane, which was destroyed by fire last April. The plans call for a 3-story building, brick and reinforced concrete. The combined floor space will be about 24,000 sq. ft., and included in the equipment will be two electric freight elevators, each of 2-ton capacity. Estimated cost, $20,000.

PUNXSUTAWNEY, PA.—The United Textile Co., of Allentown, on Sept. 11 let contract for the Punxsutawney silk mill to JAMES K. LONG & SON, of Punxsutawney. The citizens of Punxsutawney last spring subscribed $35,000 in preferred stock to secure the new mill, which is capitalized at $150,000. The building is to cost $50,000 and operations are to begin by Jan. 1, 1910.

SPRING MILLS, PA.—J. Elwood Lee & Co., with mills located at Conshohocken, manufacturing absorbent cotton, silk elastic hosiery, surgical hosiery and bandages, have had plans completed for a new plant to be built at Spring Mills, on which they are now receiving bids. Operations will begin at an early date. The new plant will consist of two manufacturing buildings of reinforced concrete with brick walls, one to be four stories, 85 × 410 ft., and the other two stories, 82 × 90 ft., with a 1-story engine and boiler house, 82 × 93 ft., and a 1-story forge, 17 × 50 ft.

NORFOLK, VA.—Announcement is made that the American Cement Co. will establish here at once a construction plant at a cost of $650,000, to be operated by a Virginia subsidiary company known as the Norfolk-Portland Cement Corporation, Robert E. Griffith, of Philadelphia, Pres. The Norfolk addition is intended to add 30% to the present output of the American Cement Co.

GOLDSBORO, N. C.—The Durham Hosiery Mills, No. 5, Inc., is chartered to establish a mill at Goldsboro. The capital is $10,000 and the principal incorporators are J. S. Carr, Jr., and trustees for the funds of a number of minors.

THOMASVILLE, N. C.—The Jewell Cotton Mill Co. has been organized to construct a $10,000 plant at Thomasville. J. A. Armfield is Pres. and T. J. Lilliard, Secy. and Treas. The new mill will manufacture fine combed yarns.

GRAHAM, N. C.—J. W. Menefee, of this city, proposes the organization of a company to build a cotton cloth mill operated by waterpower on the Haw River.

HIGH POINT, N. C.—J. H. Adams and J. H. Mills have organized the Piedmont Mills Co., with a capital stock of $40,000, to build a mill with a daily capacity of 1,000 dozen pairs of hosiery. This company will erect a mill construction building, 60 × 150 ft., three stories high.

COLUMBIA, S. C.—F. T. Parker plans the formation of a company with capital stock of $300,000 to build a mill for manufacturing camels' hair press cloth. He contemplates a cooperative organization among the cottonseed oil mills, and states that $160,000 has been subscribed. Mr. Parker is an experienced manufacturer of press cloth from camels' hair.

CLEVELAND, OHIO.—Contract has been let by the Cleveland Furnace Co. for the tearing down and rebuilding of the by-product coke plant in the upper flats, taken over by the Cleveland Furnace Co. a year ago, when the Retort Coke Oven Co. went into the hands of a receiver, to the SEMET-SOLVAY CO., of Syracuse, N. Y.

ADA, OHIO.—A stock company capitalized at $5,000 has been organized in Ada to operate a knitting factory. The plant will be moved here from Wapakoneta, where it has been located for a number of years. The officers of the new company are: Henry Young, Pres.; Clyde Sharp, Treas.; J. W. Morrow, Secy.; Walter Elliott and Justin Brewer, Board of Managers.

BRAZIL, IND.—The Board of Directors of the Factory Club have signed a contract with the BRAZIL GLASS CO., for the location of a large glass factory on land adjoining the new Fairview addition. The company is incorporated at $100,000.

WAUSAU, WIS.—Dennis Finney will erect a 3-story varnish factory here. Cost, about $6,000.

LITTLE ROCK, ARK.—The Arkadelphia Roller Mill Co., of Arkadelphia, this state, which lost its plant a short time ago by fire, will rebuild at once on a larger scale. The old plant had a daily capacity of 500 bbls. of flour, but the new plant will produce from 700 to 800 bbls.

The Diercks Lumber Co., DeQueen, Ark., is making preparations to rebuild the big hardwood lumber mill which was destroyed a short time ago at that point. The new mill will have a daily capacity of 200,000 ft.

AUSTIN, TEX.—Steps have been taken by the Dyer Co., of Cleveland, Ohio., to erect at Mercedes, a new town in the lower Rio Grande Valley, a large sugar mill. The plans which have been adopted call for the erection of a mill that will cost $2,500,000. It will have a daily capacity of 3,000 tons of sugar cane.

LAWTON, OKLA.—Two large textile concerns are under consideration for location here by Browne Cornelison, of Lawton; R. S. Curtis, of Zion City, Ill., and others. They plan to organize the Lawton Textile Mfg. Co., with a capital stock of $1,500,000 and the Lawton Spinning Mill Co., with at least $500,000 capital, for the purpose of building mills for manufacturing laces and other fine cotton products. They contemplate the construction of six main buildings, with a floor space of 470,000 sq. ft., warehouses and 350 operatives' dwellings. It is proposed to consume 12,000 bales of cotton annually.

BELLINGHAM, WASH.—The Palmerton Leasure Co. has let the contract for the erection of a warehouse and feed mill on the triangle bounded by York, Ellis and Elk Sts. The building will be one story high and corrugated iron will be used for the exterior. The cost will be approximately $4,000, not including the feed mill. Construction will begin at once and the building will be completed by Oct. 1.

PORTLAND, ORE.—The Board of Trade has closed a contract with J. W. GLEASON & SONS whereby a site is donated to them for the purpose of erecting a cloth glove and mitten factory.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

DITCH.—Columbus, Ind.—The County Commissioners have let a contract for the construction of the Chalmers Ditch to JOHN READY, at $14,090.

COLLIER.—Washington, D. C.—The Navy Department has announced the award for the construction of a collier to the MARYLAND STEEL CO., Sparrows Point, Md., at $940,200, on bidders' specifications for machinery. Noted last week.

DITCHES.—Stevens Point, Wis.—Bids will be received by D. H. Pratt, Secy. Comrs. of Portage County Drainage District, at Park Block, Stevens Point, until Sept. 21, for digging ditches and laterals, included in the 23 miles of work in said district.

DREDGING.—Houston, Tex.—The contract for dredging at the Houston turning basin has been awarded by the City Commissioners to the ATLANTIC, GULF & PACIFIC CO., Park Row Bldg., New York, N. Y., at 32 cts. per cu. yd.; total cost, about $124,800.

REPAIRS TO FIREBOAT.—New York, N. Y.—Bids are asked until 10.30 a. m., Sept. 22, by Nicholas J. Hayes, Fire Comr., for furnishing all the labor and materials required for alterations and repairs to fireboat "George B. McClellan" (Engine 78).

*TUNNEL.—Chicago, Ill.—Bids will be received until noon, Sept. 22, by the Chicago Railways Co. for the reconstruction of the Washington St. tunnel, Section 2. John Z. Murphy is Ch. Engr. For details see advertisement in this issue.

WHARVES.—Vancouver, B. C.—A syndicate of Belgian capitalists have proposed the erection of two miles of wharves in Point Grey at a cost of $1,500,000 and are now negotiating with that municipality. Alvo von Olvensleben, Vancouver, B. C., is interested.

DREDGING.—Boston, Mass.—Bids will be received until noon, Sept. 27, by Lieut.-Col. Edward Burr, Corps Engrs., U. S. A., 25 Pemberton Sq., Boston, for dredging in Malden River, Mass. Specifications are on file at the office of Engineering News, New York.

STONE.—Vicksburg, Miss.—Bids will be received until noon, Sept. 28, by Capt. Clarke S. Smith, Corps. Engrs., U. S. A., Mississippi River Comn., Third Dist., Vicksburg, for furnishing about 15,000 cu. yds. stone and quarry spalls on barges delivered in this district.

MOORINGS AND BUOYS.—Tompkinsville, N. Y.—Bids are asked by the Light-House Inspector, Tompkinsville, until 2 p. m., Sept. 21, for furnishing and delivering moorings for vessels and buoys of the light-house establishment during the fiscal year ending June 30, 1910.

CREEK IMPROVEMENT.—Enid, Okla.—Bids were received as follows on Aug. 20 for improving Boggy Creek: J. W. CHANEY & SON, Enid, $41,526 (awarded contract); Tulsa Eng. & Constr. Co., $46,322; John Striffler, $43,862, and C. B. Porter, Enid, $45,359. J. P. Rickard is City Engr.

DOCK, ETC.—Galveston, Tex.—The State Board of Health at Austin has awarded to R. C. GRACEY, of Galveston, the contract to construct certain dock and slip work at State Quarantine Station, Galveston, at $18,900. L. C. Evans is Arch., 3724 Broadway, Galveston; Wm. Brumly is Pres.

DREDGING.—Portland, Ind.—J. M. Sutton, Supt. of Drains, has let a contract for the dredging of the lower portion of the Salamonia River to the HUMER CONSTRUCTION CO., of Marion, Ohio, at $64,475. This is the third time bids were opened for this contract.

RIVER IMPROVEMENTS.—Amherstburg, Ont.—The U. S. Government, through the British Ambassador at Washington, D. C., has made application to the Canadian Government at Ottawa for authority to carry on improvements in Detroit River in the vicinity of Blois Blanc Island and near Amherstburg. Estimated cost of the improvement is $2,000,000.

DRAINAGE.—Arcadia, Tex.—Bids were received by the Board of Commissioners of Drainage Dist. No. 1 on Aug. 30, for excavating 450,000 cu. yds. of material and clearing and grubbing 67 acres of bayou timber. Capt. B. E. Johnson, Secy. Arcadia; R. W. Luttrel, Engr., Galveston, Tex. The contract has been let to JAMES KELSO, of Galveston, at $56,720.

*DREDGING.—Buffalo, N. Y.—Bids were received as follows on Sept. 10, by Col. W. L. Fisk, Corps Engrs., U. S. A., for dredging 150,000 yds., scow measure, in Harbor Basin at Erie, Pa.: Buffalo Dredging Co., Buffalo, N. Y., $30,000; Great Lakes Dredge & Dock Co., Chicago, Ill., $40,500; Central Dredging Co., Buffalo, N. Y., $27,000; Standard Contracting Co., Cleveland, Ohio, $27,750.

*STEEL FENCES.—Ft. D. A. Russell, Wyo.—Bids were received Aug. 30 at the office of the Construction Q. M. at Cheyenne for construction of steel fences enclosing Quartermaster's corrals at Ft. D. A. Russell, with necessary grading. The bid of Lowett Bros. Iron Works Co., of Denver, Colo., for the construction work at $6,999, and the bid of Chas. W. Riner, of Cheyenne, Wyo., for the grading have been recommended for award.

MEMORIAL MONUMENT.—Vicksburg, Miss.—Bids were received by the Vicksburg National Military Park Commission, Vicksburg, Sept. 8, for building a granite obelisk with foundation and pedestals in the Vicksburg National Military Park. Seven firms submitted bids. The lowest, made by the Woodbury Granite Co., of Hardwick, Vt., at $105,500, has been recommended to the Secretary of War for acceptance. William T. Rigby is Chn. of Comn.

RETAINING WALL.—Bay City, Mich.—Bids were received by the City Park Commission, Aug. 25, for constructing a retaining wall 1,000 ft. long on the Saginaw River at Center Ave., from plans of Ambrose V. Powell, Chamber of Commerce Bldg., Chicago, Ill., and the contract has been awarded to A. J. DUPUIS & CO., 1109 Ford St., Detroit, Mich. They bid for revetment substructure $21.65 per lin. ft., superstructure of concrete $6.95 per lin. ft., and foundation piles 21 cts. per ft.

EMBANKMENT.—New York, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Sept. 22, for furnishing all the labor and materials necessary for building an embankment, with all appurtenances, under the tracks of the Bushwick Branch of the Long Island R. R. and adjacent to Scott and Montrose Aves., in connection with the construction of a sewer in Scott Ave., from Newtown Creek, north of Metropolitan Ave., to St. Nicholas Ave., etc., in the City of New York, Boro. of Brooklyn.

LEVEE.—New Orleans, La.—Bids were received on Aug. 30 at the office of Capt. H. Burgess, Corps Engrs., U. S. A., for 119,000 cu. yds. earth work on Green Levee, Lower Tensas Levee Dist., and the following are the bids received (price given per cu. yd.): O. A. Gibson, Natchez, Miss., 34 cts.; Israel R. Bobbitt, Bougere, 29.4 cts.; Robt. T. Clark, Natchez, Miss., 27.98 cts. (recommended for award); W. C. Mullen, Bougere, 29.8 cts.; H. F. Hodge & James R. Marlow, Natchez, Miss., 28.97 cts.; Donovan & Daley, Lake Providence, 29⅝ cts.; A. E. Parker, Vicksburg, Miss., 28.9 cts., and Helgason Bros., Vicksburg, Miss., 28.45 cts.

DREDGING.—Boston, Mass.—Bids were received as follows on Sept. 3, by the Board of Harbor and Land Commissioners, State House, Boston, for dredging a channel in Lobster Cove at Annisquam, and dredging shoals in Annisquam River, between Wolf Hill and Gloucester Harbor: Jeremiah P. Riordan, 20 cts. a yd. for removing Shoal 4, 22¾ cts. for removing other shoals, and 22¾ cts. for dredging; the Eastern Dredging Co., $1,080 a scow for removing Shoal 4, 27.7 cts. a yd. for other shoals and 23 cts. a yd. for dredging; J. R. Burke, $1,450 a scow for Shoal 4, 32.4 cts. a yd. for other shoals, and 31.4 cts. for dredging. Appropriation, $10,000.

LIGHT-HOUSE STATION.—Tompkinsville, N. Y.—The following bids were received on Sept. 3 at the office of the Engineer of the Third Light-House District, Tompkinsville, N. Y., for the construction of the Lloyd Harbor light-house station, New York: Snare & Triest, New York, $18,200; Charles Meads & Co., New York City, $27,170; T. A. Scott Co., New London, Conn., $28,800; Daniel F. Toomey, Norwalk, Conn., $29,700; Hennebique Construction Co., New York City, $31,650; Clarke & Stowe, Brooklyn, N. Y., $31,700; George Vassar's Sons Co., New York City, $33,975; The McHartz-Barton Co., New York City, $36,600; Estate of John Beattie, Leyte Island, Conn., $42,425; T. Toomey, South Norwalk, Conn., $29,700; Knoblock & Shelton, Erie, Pa., $18,627.

VESSEL.—Washington, D. C.—Bids were received as follows on Sept. 10, by the Light House Board, Washington, for the construction of a twin-screw, steam lighthouse tender: Racine Boat Mfg Co., Muskegan, Mich., delivery at Tompkinsville, N. Y., $55,200, $59,500; Portsmouth, N. H., $53,350, $57,650; New Orleans, La., $60,000, $55,700; John H. Dialogue & Sons, Camden, N. J., delivered at Tompkinsville, $59,770, $65,700; Portsmouth, $60,070, $66,000; Pausey & Jones Corporation, Wilmington, Del., delivered at Tompkinsville, $69,418, $75,700; Portsmouth, $69,418, $75,700; New Orleans, $76,200, $69,918; Jackson Iron Works, New Orleans, delivery at New Orleans, $89,000, $83,746; Fore River Shipbuilding Co., Quincy, Mass., delivered at Tompkinsville, $67,600, $73,000; New Orleans, $76,000, $70,100.

*SEAWALL.—Galveston, Tex.—Bids were received as follows by Capt. John C. Oakes, Corps Engrs., U. S. A., Aug. 30, for building seawall and fill at Fort Travis, Tex.: Charles Clarke & Co., Galveston, Tex., $340,655; William Moore, Texas City, Tex., $286,134; Charles S. Patterson, Port Bolivar, Tex., $400,784; R. C. Storrie & Co., Fort Worth, Tex., $461,337; D. M. Picton & Co., Galveston, $354,763; Kelso & Yautrin, Galveston, $396,760. Totals for sea wall and retaining wall, not including fill or soil for the above: William Moore, $289,633.75; Charles Clarke & Co., $241,780; Isaac Heffron, Galveston, $248,922, $185,784. Totals for fill, soil and sod only for above work: Bowers Southern Dredging Co., Galveston, $80,500; Charles S. Patterson, $120,062; North American Dredging Co. of Nevada, Galveston, $107,435; John Jacobson, Texas City, $107,050.

EXAMINATIONS.

REGISTER OF SUBINSPECTORS.—North Chicago, Ill.—An examination of applicants will be held at the Federal Building, Chicago, Ill., Sept. 30, for the purpose of establishing an eligible Register of Subinspectors (construction work). Pay, $5.04, $4.48 and $4 a day. From the eligibles obtained appointments will be made to fill two existing vacancies at the United States Naval Training Station, Great Lakes, North Chicago, Ill. Applications must be delivered on or before Sept. 28, to the "Commandant, Naval Training Station, Great Lakes, North Chicago." Examination Order No. 44. George A. McKay is Civil Engr., U. S. N.

INDUSTRIAL NOTES.

GURLITT-MANNING CO., of New York City, announces the death of its treasurer, Francis L. Manning on Aug. 29. Mr. Manning had been associated with the company since its beginning.

THE LYNCHBURG FOUNDRY CO., Lynchburg, Va., announces that it has opened a branch office in Chicago to cover the Western trade. This office is located at 508-9 Monadnock Bldg., and is in charge of Mr. John R. McWane.

THE MINNEAPOLIS STEEL & MACHINERY CO., Minneapolis, Minn., have recently taken the agency for the Western part of the United States for the roofing and siding manufactured by the Asbestos Protected Metal Co., Canton, Mass.

THE CUMMINGS STRUCTURAL CONCRETE CO., 316 Fourth Ave., Pittsburg, Pa., has been awarded the contract for driving Cummings' patent concrete piles for the New York Central & Hudson River R. R. improvement work at Mount Vernon, N. Y.

THE ALEXANDER MILBURN CO., of Baltimore, state that among their recent customers for 5,000-c. p. lights are Grant Smith & Co. & Locher, Gross Isle, Mich.; Smith-McCormick Co., Portland, Pa.; F. J. Romer Construction Co., St. Paul, Minn.; American Pipe & Construction Co., Rochester, N. Y.; Erie Railroad Co., Johnson-Dauchy & Carey Co., Mandan, N. D.; Meadows Co., Johnson

City, Tenn.; United States Reclamation Service; United Engineering & Contracting Co., Lockport, N. Y.

CHARTER WAS GRANTED on Sept. 4th to the Fraser Lock Bar Pipe Co. by the State of New Jersey, to have a capitalization of $500,000 and to have power to manufacture and sell lock bar and riveted pipe, and to buy, sell and manufacture, or deal in anything pertaining to or requisite in the development of this business. This company is formed through a contract entered into between John Fraser, C. J. McDowall, Geo. P. Bard, R. T. McCormick and A. W. Krouse, to operate on the basis of the patents granted and to be granted to John Fraser and Thomas Gray, for machinery for manufacturing lock-bar pipe. The company will be prepared to make standard lock-bar pipe in any diameter from 20 ins. to 84 ins. in 30-ft. lengths, and will also manufacture and sell riveted pipe of any diameter. The headquarters of this company are now at 1774, 50 Church St., New York City, where the Eastern manager of the Petroleum Iron Works Co., Mr. Geo. P. Bard, is located. It is the intention to have the plant of the utmost efficiency for this work and work is now progressing on the plans for the buildings and machinery under the direction of Mr. John Fraser, and bids will be called for on complete plant and equipment. John Fraser has been general manager of the only company now making lock-bar pipe in America, and the other gentlemen are connected with the Petroleum Iron Works Co., of Sharon, Pa.

TRADE PUBLICATIONS.

ELECTRICAL INSTRUMENTS.—Hoyt Electrical Instrument Works, Penacook, N. H. Paper; 5 × 9 ins.; pp. 16; illustrated.

Voltmeters, ammeters and combinations of both, for testing the ignition system of gas or gasolene engine plants are the articles given most attention.

EVAPORATING APPARATUS.—McDonald & Nickle, Engineers, Detroit, Mich. Paper; 6 × 9 ins.; pp. 13; illustrated.

This booklet contains sectional views and description of a direct-fixed vacuum pan particularly adapted for the evaporation of sugar and brine solutions.

GRAVEL ROOFING.—Barrett Manufacturing Co., 17 Battery Place, New York City. Paper; 6¾ × 9¾ ins.; pp. 15; illustrated.

This booklet contains the Barrett specification for gravel or slag roofing (over boards) and shows photographs of a number of railway roundhouses with Barrett roofs.

MOTOR TRUCKS.—Hewitt Motor Co., 6 East 31st St., New York City. Paper; 6 × 9 ins.; pp. 36; illustrated.

Two-ton, three-ton, five-ton and ten-ton freight automobiles are described in this catalog. In addition there are tables of comparative haulage costs for Hewitt trucks and for horse-drawn vehicles.

VARIABLE SPEED TRANSMISSION.—Reeves Pulley Co., Columbus, Ind. Catalog T. 15. Paper; 6 × 9 ins.; pp. 60; illustrated.

The description of the Reeves transmission and of its applications to various types of machinery is followed by price lists of parts and of complete equipments. This transmission was described in Engineering News, March 1, 1900.

WATER-PROOFED ASBESTOS SIDING.—H. W. Johns-Manville Co., 100 William St., New York City. Paper; 6 × 3½ ins.; pp. 12; illustrated.

"Asbestoside" is said to be proof against fire, water, acids, gases, chemical fumes and all weather conditions. It consists of sheets of asbestos fiber saturated with asphalt and is intended to take the place of clapboards, shingles and metal sidings.

CENTRIFUGAL PUMPS.—Jeanesville Iron Works Co., Hazleton, Pa. C. P. Bulletin No. 30. Paper; 6 × 9 ins. pp. 24; illustrated.

This firm, since extending its business into the centrifugal pump field has issued no previous catalog of this machinery. The book at hand describes and illustrates the several types now made for general, high-head, boiler-feed, mine-drainage, fire and other special services.

AERIAL TRAMWAYS.—The Trenton Iron Co., Trenton, N. J. 6 × 8 ins.; pp. 63; illustrated.

The title of this booklet is "The Bleichert System of Aerial Tramways, by William Hewitt, M. E." It is a very profusely illustrated description of this "double-rope" system, with a full account of the details of the device and notes on the various installations that have been made. An interesting compendium of cost data is also given.

GAS ENGINES.—Du Bois Iron Works, Du Bois, Pa. Bulletin K. 21. Paper; 6 × 9 ins.; pp. 15; illustrated.

Single-cylinder, throttling-governor gas engines and suction-producer plants are herein described. On the engine, the fuel supply is controlled by a rotating throttling valve operated by the fly-ball governor. Gas from the rotary valve passe directly to the combined inlet and mixing valve and is admitted to the cylinder through a number of small holes drilled through the inlet-valve seat.

STEAM ENGINES.—Trenton Engine Co., Trenton, N. J. Bulletin 7. Paper; 6 × 9 ins.; pp. 22; illustrated.

Reeves vertical cross-compound and single-cylinder horizontal engines are described in this bulletin. Curves are shown giving results of tests on both types of Reeves engines. The illustrations include a clear sectional view through the valve chest of the vertical compound engine, showing the adjustable piston valves and system of steam distribution.

ELECTRICAL INSTRUMENTS. — General Electric Co., Schenectady, N. Y. Bulletins 4656, 4659 and 4662. Paper; 8 × 10½ ins.; pp. 4, 4 and 20; illustrated.

The first bulletin describes a current transformer for use in measuring large currents. The second bulletin describes a line of instruments for use on alternating-current circuits and built on the "induction" design—a spiral-shaped dial is free to rotate in the magnetic fields of field coils on the supply circuit, and of permanent magnets.

The third bulletin elaborately illustrates and describes types of the familiar old Thomson Recording Watt-hour meters for switchboard services.

ROCK-DRILL SHARPENERS.—J. Geo. Leyner Engineering Works Co., Littleton, Colo. Bulletin No. 1008. Paper; 6 × 9 ins.; pp. 12; illustrated.

The Leyner drill sharpener, described in this bulletin, comprises a set of dies which grip the drill steel and a "dolly" which is driven against the end of the drill while held in the dies. By the use of different dies and "dollies," any size or shape of bit can be sharpened or formed. The machine may also be used for forming bolt heads and collars on rods of any ordinary cross-section. The sharpener is operated by compressed air at from 80 to 100 lbs. pressure and the No. 1 size, for bits up to 2¼-in. diameter, uses 70 cu. ft. of free air per minute when resharpening at a rate of 60 to 120 steels per hour.

EARTH AND STONE HANDLING MACHINERY.—Western Wheeler Scraper Co., Aurora, Ill. Paper; 10 × 6¼ ins.; pp. 120; illustrated.

A long line of excavating and handling machinery is included in this interesting catalogue. The former class covers drag and wheeled scrapers of various kinds, road and grading plows, and grading machines. The latter class covers dump carts and wagons, large and small dump cars of various kinds, scrapers, etc., and spreader cars for leveling dumped material. The large cars are equipped with regular couplers and air-brakes, for operation in work trains on railways. Stone crushers and crushing and screening outfits are included also. One of the elevating-graders is notable in having a 20-HP. gasoline engine to operate the conveyor of the excavated material. Several of the illustrations show the company's machinery in use on railway and irrigation work and on the Panama Canal.

For other Proposal Advertisements see pages 51, 52, 53, 54, 55, of Advertisements and Construction News page 104.

GRAVITY WATER-WORKS.

Eagle, Colo.

Sealed proposals will be received by the Board of Trustees of the Town of Eagle, Colorado, until 7 o'clock P. M., of Sept. 30th, 1909, for labor and necessary material, including pipes, castings, hydrants, valves and reinforced concrete distributing reservoir, for the complete construction of a system of gravity water-works for said town.

APPROXIMATE ESTIMATE OF QUANTITIES:

3,100 ft. 8-in. machine bonded wood pipe.
40,300 ft. 6-in. machine-bonded wood pipe.
18 fire hydrants, double nozzle.
1 80 × 20 × 10 ft. reinforced concrete reservoir.

Certified check for $500 must accompany the proposal, payable to Louis Schwarz, Town Treasurer, as surety that contract will be entered into if proposal is accepted.

Specifications, plans and proposal forms may be seen at the office of the Town Clerk, Eagle, Colorado, and at the office of T. W. Jaycox, Majestic Building, Denver, Colorado.

The Board of Trustees reserves the right to reject any and all proposals.

T. J. DILL, Mayor.
L. R. THOMAS, Town Clerk.

ARCH BRIDGE ACROSS THE BLACKSTONE RIVER AT NORTH MAIN ST.

Pawtucket, R. I.

Sealed proposals for the above work, addressed to the North Main Street Bridge Commission, endorsed "Proposal for North Main Street Bridge, Pawtucket, R. I.," and addressed to F. B. Lawton, Secretary of the North Main Street Bridge Commission, Room 311, Industrial Trust Building, Providence, R. I., will be received at the office of the Secretary until 12 o'clock noon of Thursday, the thirtieth day of September, A. D. 1909, when and where they will be publicly opened.

Plans and specifications can be seen at the office of the City Engineer of Pawtucket, R. I.

Each proposal must be accompanied by a bond or certified check in the sum of $1,000.00, conditioned that the person making the bid shall execute the contract within ten days from the acceptance of his proposal.

A bond for a sum not less than one-third the total amount of the contract, conditioned upon the faithful performance of the same, will be required of the successful bidder.

Contractors will be required to furnish evidence, satisfactory to the Commission, of their ability to satisfactorily perform the work, and within the time specified.

The right to reject any or all bids is reserved.

ROBERT, S. FRANKLIN, Chairman.
F. B. LAWTON, Secretary.
ALBERT H. LONGWORTHY, Treas.
North Main Street Bridge Commission.
Providence, R. I., Sept. 7, 1909.

MACADAMIZING AND GRADING.

Mount Kisco, N. Y., Sept. 10, 1909.

Sealed proposals for macadamizing Main St., from Maple Ave. to Sands St., and grading Manchester Terrace, from Main St. to a point 475 feet south, will be received by F. J. Carpenter, Village Clerk, at the Board of Trustees' rooms in the Village of Mt. Kisco, N. Y., until 8.00 o'clock P. M., October 4th, 1909, at which time and place all proposals will be publicly opened and read.

A certified check must accompany all bids, made payable to the treasurer of the Village of Mt. Kisco, for the sum of five (5) per cent. of the amount of such bid.

Plans may be seen and proposals and specifications may be procured at the office of the Village Clerk or the office of the Engineer, Edmund P. Sanger, Main St., Mt. Kisco, N. Y.

The right is reserved to reject any or all bids.

The work consists of the following approximate quantities:

950 lin. ft. macadam pavement, 24 ft. wide.
1,900 lin. ft. paved stone gutters.
800 lin. ft. new curb.
1,000 lin. ft. old curb, redressed and reset.
1,800 lin. ft. flag walk, relaid.
4,250 cu. yds. excavation.
240 cu. yds. retaining wall.
3 corner catch basins.
4 side catch basins.
3 manholes.
500 lin. ft. 10-inch drain pipe.
Grading Manchester Terrace.
1,500 cu. yds. excavation.

F. J. CARPENTER, Village Clerk.

STEEL STAND-PIPE.

Winthrop, Mass.

Proposals or bids duly signed and sealed will be received by the Water Commissioners of the Town of Winthrop, Mass., until 8 o'clock P. M., October 2, 1909, for furnishing and erecting a steel Stand-Pipe, 40' × 100', at Great Head in said Town (foundations to have been previously erected). At said time the proposals received in accordance with this call will be publicly opened and read at the office of said Water Commissioners.

Each proposal to be accompanied by a properly certified check for five hundred ($500) dollars, payable to the Town of Winthrop, Mass.; the check [illegible] the successful bidder to be the pr[illegible] y of the said Town of Winthrop if th[illegible]dder fails to execute the contract an[illegible]isfactory bond for the faithful perfor[illegible] of the work within one week after [illegible] contract may have been awarded to [illegible].

All proposals should be en[illegible]d "Proposal for Building Steel Stan[illegible]e," and addressed to the Water Com[illegible]oners of the Town of Winthrop and [illegible] to the office of said Commissioners, [illegible]worth's Block, Winthrop, or to the [illegible] of the Superintendent, 289 Winth[illegible] Street, Winthrop.

Plans and specifications ma[illegible] seen at the office of Whitman & H[illegible]s, Civil Engineers, 220 Devonshire St[illegible], Boston.

The Water Commissioners [illegible]ve the right to reject any or all pro[illegible] should they deem it for the best in[illegible] of the Town of Winthrop so to do.

WESLEY TYLER,
CHARLES W. HOWA[illegible]
WM. A. CARSTENSE[illegible]
Water Commissioners [illegible] the Town of Winthrop.

POWER PLANT EQUIPMENT.

Spokane, Wash.

Sealed proposals will be receiv[illegible] by the Board of Public Works of the City of Spokane, Washington, until 2 o'clock P. M., Friday, October 8th, 1909, for the following equipment, plans and specifications for which are on file with the Board of Public Works.

Bids must be submitted in duplicate, one copy addressed to the Mayor, and one to the Board of Public Works; the copy filed with the Board of Public Works must be accompanied by a certified check for ten per cent. of the amount of the bid submitted.

EQUIPMENT.

3—5,000,000-gallon multi Stage Centrifugal Pumps.
1—650-HP. Horizontal Water Wheel.
3—Induction Motors, switchboard and connections.

BY ORDER OF THE BOARD OF PUBLIC WORKS,
J. T. O'BRIEN, Secretary.

WAR DEPARTMENT, Constructing Quartermaster's Office, U. S. A., 263 Summer Street, Boston, Mass., September 7, 1909.—Sealed proposals, in triplicate, will be received at this office until 10 o'clock A. M., October 1, 1909, and then opened, for the construction of a timber wharf at Fort Standish, Lovell's Island, Boston Harbor, Mass. Plans can be seen and specifications, blank forms, and all information obtained at this office. The United States reserves the right to reject any or all proposals. Deposit of $5.00 required to guarantee return of plans and specifications. Envelopes should be endorsed "Proposals for Wharf, Fort Standish, Mass.," and addressed to CAPTAIN R. H. ROLFE, Constructing Quartermaster, Boston, Mass.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., September 11, 1909.—Sealed proposals will be received at this office until 3 o'clock p. m., on the 21st day of October, 1909, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of an extension, remodeling, etc., to the U. S. Post Office at Hoboken, New Jersey, in accordance with drawings and specifications, copies of which may be obtained from the Custodian at Hoboken, N. J., or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 23, 1909.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 4th day of October, 1909, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Fredericksburg, Va., in accordance with drawings and specifications, copies of which may be obtained from the Custodian of Site at Fredericksburg, Va., or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

Situations Open

WANTED—In an Eastern engineering school, an instructor to teach structural engineering. Salary $1,000 to $1,200. Also an instructor in railroad engineering and surveying. Salary $900. Also an instructor in electrical engineering. Address with full statement of experience and references, "Z. C. 12," Engineering News, New York. 12-11